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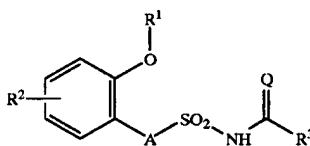
**HERBICIDAL SULPHONYLAMINO(THIO) CARBONYL COMPOUNDS**

This is a Continuation of U.S. Ser. No. 09/006,686, filed on Jan. 8, 1998 (now abandoned); which is a Continuation-in-Part of International Application PCT/EP96/02826, filed on Jun. 28, 1996.

The invention relates to novel sulphonylamino(thio) carbonyl compounds, to a number of processes and to novel intermediates for their preparation, and to their use as herbicides.

It is already known that certain sulphonylaminocarbonyl compounds, such as, for example, the compounds 4,5-dimethoxy-2-(2-methoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one, 4,5-dimethoxy-2-(2,5-dimethoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one, 4,5-diethoxy-2-(2,5-dimethoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one and N-(2,5-dimethoxy-phenylsulphonyl)-1,5-dimethyl-1H-pyrazole-3-carboxamide possess herbicidal properties (cf. EP 341489, EP 422469, EP 425948, EP 431291, EP 507171, EP 534266, DE 4029753). The action of these compounds, however, is not in every respect satisfactory.

The novel sulphonylamino(thio)carbonyl compounds have now been found of the general formula (I),



in which

A represents a single bond, oxygen, sulphur or the group N—R, in which R represents hydrogen, alkyl, alkenyl, alkinyl or cycloalkyl,

Q represents oxygen or sulphur,

R<sup>1</sup> represents hydrogen or formyl or represents in each case optionally substituted alkyl, alkenyl, alkinyl, alkylcarbonyl, alkoxy carbonyl, alkylsulphonyl, cycloalkyl, cycloalkylcarbonyl or cycloalkylsulphonyl,

R<sup>2</sup> represents cyano or halogen or represents in each case optionally substituted alkyl, alkenyl, alkinyl, alkoxy, alkenyloxy or alkinyloxy, and

R<sup>3</sup> represents in each case optionally substituted heterocyclcyl having 5 ring members of which at least one is oxygen, sulphur or nitrogen and from one to three further ring members can be nitrogen,

and salts of compounds of the formula (I),

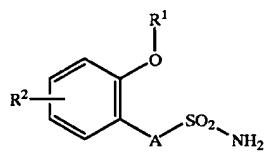
the previously known compounds 4,5-dimethoxy-2-(2,5-dimethoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one, 4,5-diethoxy-2-(2,5-dimethoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one and N-(2,5-dimethoxy-phenylsulphonyl)-1,5-dimethyl-1H-pyrazole-3-carboxamide being excluded by disclaimer.

The novel sulphonylamino(thio)carbonyl compounds of the general formula (I) are obtained if

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(a) aminosulphonyl compounds of the general formula (II)

(II)



in which

A, R<sup>1</sup> and R<sup>2</sup> have the meanings given above are reacted with (thio)carboxylic acid derivatives of the general formula (III)

(III)

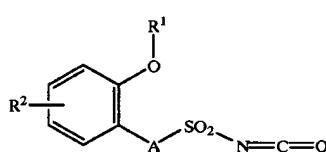


in which

Q and R<sup>3</sup> have the meanings given above and Z represents halogen, alkoxy, aryloxy or arylalkoxy, optionally in the presence of an acid acceptor and optionally in the presence of a diluent, or if

(b) sulphonyl iso(thio)cyanates of the general formula (IV)

(IV)



in which

A, Q, R<sup>1</sup> and R<sup>2</sup> have the meanings given above are reacted with heterocycles of the general formula (V)

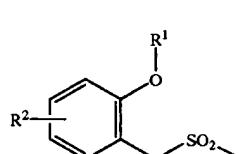
(V)

in which

R<sup>3</sup> has the meaning given above, optionally in the presence of a reaction auxiliary and optionally in the presence of a diluent, or if

(c) chlorosulphonyl compounds of the general formula (VI)

(VI)



in which

A, R<sup>1</sup> and R<sup>2</sup> have the meanings given above are reacted with heterocycles of the general formula (V)

H—R<sup>3</sup>

(V)

in which

$R^3$  has the meaning given above  
and metal (thio)cyanates of the general formula (VII)

MQCN

(VII)

in which

 $Q$  has the meaning given above, and $M$  represents an alkali metal or alkaline earth metal

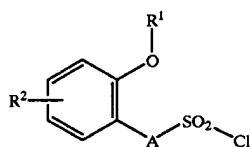
equivalent,

optionally in the presence of a reaction auxiliary and 10

optionally in the presence of a diluent,

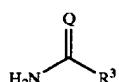
or if

(d) chlorosulphonyl compounds of the general formula (VI)



in which

$A$ ,  $R^1$  and  $R^2$  have the meanings given above  
are reacted with (thio)carboxamides of the general formula  
(VIII)

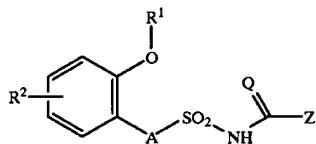


in which

$Q$  and  $R^3$  have the meanings given above,  
optionally in the presence of an acid acceptor and option-  
ally in the presence of a diluent,

or if

(e) sulphonylamino(thio)carbonyl compounds of the general 40  
formula (IX)



in which

$A$ ,  $Q$ ,  $R^1$  and  $R^2$  have the meanings given above, and  
 $Z$  represents halogen, alkoxy, aryloxy or arylalkoxy,  
are reacted with heterocycles of the general formula (V)

 $H-R^3$ 

(V)

in which

$R^3$  has the meaning given above,  
optionally in the presence of an acid acceptor and option-  
ally in the presence of a diluent,

or if

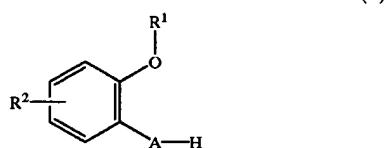
(f) heterocycles of the general formula (V)

 $H-R^3$ 

(V)

in which

$R^3$  has the meaning given above,  
are reacted with chlorosulphonyl iso(thio)cyanate, option-  
ally in the presence of a diluent, and the adducts formed in  
this reaction are reacted in situ with benzene derivatives of  
5 the general formula (X)



(VI)

in which

$A$ ,  $R^1$  and  $R^2$  have the meanings given above,  
optionally in the presence of an acid acceptor and option-  
ally in the presence of a diluent,

20 and, if desired, the compounds of the formula (I) obtained  
by processes (a), (b), (c), (d), (e) or (f) are converted  
into salts by customary methods.

The novel sulphonylamino(thio)carbonyl compounds of  
the general formula (I) are distinguished by a strong herbi-  
cidal activity.

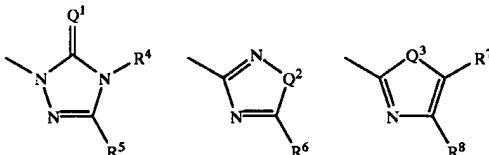
The invention relates preferably to compounds of the  
formula (I) in which

$A$  represents a single bond, oxygen, sulphur or the group  
 $N-R$ , in which  $R$  represents hydrogen,  $C_1-C_6$ -alkyl,  
 $C_2-C_6$ -alkenyl,  $C_2-C_6$ -alkynyl or  $C_3-C_6$ -cycloalkyl,  
 $Q$  represents oxygen or sulphur,

$R^1$  represents hydrogen or formyl or represents in each  
case optionally cyano-, fluoro-, chloro-, bromo-,  
phenyl- or  $C_1-C_4$ -alkoxy-substituted alkyl, alkenyl,  
alkynyl, alkylcarbonyl, alkoxy carbonyl or alkylsulphonyl  
having in each case up to 6 carbon atoms, or  
represents in each case optionally cyano-, fluoro-,  
chloro-, bromo- or  $C_1-C_4$ -alkyl-substituted  $C_3-C_6$ -  
cycloalkyl,  $C_3-C_6$ -cycloalkyl-carbonyl or  $C_3-C_6$ -  
cycloalkyl-sulphonyl,

$R^2$  represents cyano, fluoro, chloro or bromo or represents  
in each case optionally cyano-, fluoro-, chloro-, bromo-  
or  $C_1-C_4$ -alkoxy-substituted alkyl, alkenyl, alkylnyl,  
alkoxy, alkenyloxy or alkyloxy having in each case  
up to 6 carbon atoms, and

$R^3$  represents in each case optionally substituted hetero-  
cycl of the formulae below,



in which

$Q^1$ ,  $Q^2$  and  $Q^3$  each represent oxygen or sulphur, and

$R^4$  represents hydrogen, hydroxyl, amino or cyano, or  
represents  $C_2-C_{10}$ -alkylideneamino, or represents  
optionally fluoro-, chloro-, bromo-, cyano-,  $C_1-C_4$ -  
alkoxy-,  $C_1-C_4$ -alkyl-carbonyl- or  $C_1-C_4$ -alkoxy-  
carbonyl-substituted  $C_1-C_6$ -alkyl, or represents in each  
case optionally fluoro-, chloro- and/or bromo-  
substituted  $C_2-C_6$ -alkenyl or  $C_2-C_6$ -alkynyl, or repre-  
sents in each case optionally fluoro-, chloro-, bromo-,

cyano-,  $C_1\text{-}C_4$ -alkoxy- or  $C_1\text{-}C_4$ -alkoxy-carbonyl-substituted  $C_1\text{-}C_6$ -alkoxy,  $C_1\text{-}C_6$ -alkylamino or  $C_1\text{-}C_6$ -alkyl-carbonylamino, or represents  $C_3\text{-}C_6$ -alkenylxy, or represents di-( $C_1\text{-}C_4$ -alkyl)-amino, or represents in each case optionally fluoro-, chloro-, bromo-, cyano- and/or  $C_1\text{-}C_4$ -alkyl-substituted  $C_3\text{-}C_6$ -cycloalkyl,  $C_3\text{-}C_6$ -cycloalkylamino or  $C_3\text{-}C_6$ -cycloalkyl- $C_1\text{-}C_4$ -alkyl, or represents in each case optionally fluoro-, chloro-, bromo-, cyano-, nitro-,  $C_1\text{-}C_4$ -alkyl, trifluoromethyl- and/or  $C_1\text{-}C_4$ -alkoxy-substituted phenyl, phenylamino or phenyl- $C_1\text{-}C_4$ -alkyl,

$R^5$  represents hydrogen, hydroxyl, mercapto, amino, cyano, fluoro, chloro, bromo or iodo, or represents optionally fluoro-, chloro-, bromo-, cyano-,  $C_1\text{-}C_4$ -alkoxy-,  $C_1\text{-}C_4$ -alkyl-carbonyl- or  $C_1\text{-}C_4$ -alkoxy-carbonyl-substituted  $C_1\text{-}C_6$ -alkyl, or represents in each case optionally fluoro-, chloro- and/or bromo-substituted  $C_2\text{-}C_6$ -alkenyl or  $C_2\text{-}C_6$ -alkinyl, or represents in each case optionally fluoro-, chloro-, cyano-,  $C_1\text{-}C_4$ -alkoxy- or  $C_1\text{-}C_4$ -alkoxy-carbonyl-substituted  $C_1\text{-}C_6$ -alkoxy,  $C_1\text{-}C_6$ -alkylthio,  $C_1\text{-}C_6$ alkylamino or  $C_1\text{-}C_6$ -alkyl-carbonylamino, or represents  $C_3\text{-}C_6$ -alkenylxy,  $C_3\text{-}C_6$ -alkinylxy,  $C_3\text{-}C_6$ -alkenylthio,  $C_3\text{-}C_6$ -alkinylthio,  $C_3\text{-}C_6$ -alkenylamino or  $C_3\text{-}C_6$ -alkinylamino, or represents di-( $C_1\text{-}C_4$ -alkyl)-amino, or represents in each case optionally methyl- and/or ethyl-substituted aziridino, pyrrolidino, piperidino or morpholino, or represents in each case optionally fluoro-, chloro-, bromo-, cyano- and/or  $C_1\text{-}C_4$ -alkyl-substituted  $C_3\text{-}C_6$ -cycloalkyl,  $C_3\text{-}C_6$ -cycloalkenyl,  $C_3\text{-}C_6$ -cycloalkyloxy,  $C_3\text{-}C_6$ -cycloalkylthio,  $C_3\text{-}C_6$ -cycloalkylamino  $C_3\text{-}C_6$ -cycloalkyl- $C_1\text{-}C_4$ -alkyl,  $C_3\text{-}C_6$ -cycloalkyl- $C_1\text{-}C_4$ -alkoxy,  $C_3\text{-}C_6$ -cycloalkyl- $C_1\text{-}C_4$ -alkylthio or  $C_3\text{-}C_6$ -cycloalkyl- $C_1\text{-}C_4$ -alkylamino, or represents in each case optionally fluoro-, chloro-, bromo-, cyano-, nitro-,  $C_1\text{-}C_4$ -alkyl-, trifluoromethyl-,  $C_1\text{-}C_4$ -alkoxy- and/or  $C_1\text{-}C_4$ -alkoxy-carbonyl-substituted phenyl, phenyl- $C_1\text{-}C_4$ -alkyl, phenoxy, phenyl- $C_1\text{-}C_4$ -alkoxy, phenylthio, phenyl- $C_1\text{-}C_4$ -alkylthio, phenylamino or phenyl- $C_1\text{-}C_4$ -alkylamino, or

$R^4$  and  $R^5$  together represent optionally branched alkanediyl having 3 to 11 carbon atoms, and also

$R^6$ ,  $R^7$  and  $R^8$  are identical or different and represent hydrogen, cyano, fluoro, chloro or bromo, or represent in each case optionally fluoro-, chloro-, bromo- or  $C_1\text{-}C_4$ -alkoxy-substituted alkyl, alkenyl, alkinyl, alkoxy, alkenyloxy, alkinyloxy, alkylthio, alkenylthio, alkinylthio, alkylsulphonyl and alkylsulphonyl having in each case up to 6 carbon atoms, or represents in each case optionally cyano-, fluoro-, chloro-, bromo- or  $C_1\text{-}C_4$ -alkyl-substituted cycloalkyl having 3 to 6 carbon atoms,

the previously known compounds 4,5-dimethoxy-2-(2,5-dimethoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one, 4,5-diethoxy-2-(2,5-dimethoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one and N-(2,5-dimethoxy-phenylsulphonyl)-1,5-dimethyl-1H-pyrazole-3-carboxamide being excluded by disclaimer.

The invention also relates preferably to sodium, potassium, magnesium, calcium, ammonium,  $C_1\text{-}C_4$ -alkyl-ammonium, di-( $C_1\text{-}C_4$ -alkyl)-ammonium, tri-( $C_1\text{-}C_4$ -alkyl)-ammonium, tetra-( $C_1\text{-}C_4$ -alkyl)-ammonium, tri-( $C_1\text{-}C_4$ -alkyl)-sulphonium,  $C_5$ - or  $C_6$ -cycloalkyl-ammonium and di-( $C_1\text{-}C_2$ -alkyl)-benzyl-ammonium salts

of compounds of the formula (I) in which A, Q,  $R^1$ ,  $R^2$  and  $R^3$  have the meanings indicated above as preferred.

The invention relates in particular to compounds of the formula (I) in which

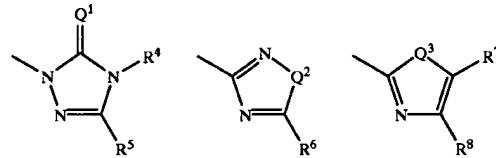
A represents a single bond, oxygen or the group N—R, in which R represents hydrogen, methyl, ethyl, n- or i-propyl, n-, i- or s-butyl, propenyl, butenyl, propinyl, butinyl, cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl,

Q represents oxygen or sulphur,

$R^1$  represents hydrogen or formyl, or represents in each case optionally fluoro-, chloro-, bromo-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i- or s-butyl, propenyl, butenyl, propinyl, butinyl, acetyl, propionyl, butyroyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methylsulphonyl, ethylsulphonyl, n- or i-propylsulphonyl, n-, i-, s- or t-butylsulphonyl, or represents in each case optionally fluoro-, chloro- or methyl-substituted cyclopropyl, cyclopropylcarbonyl or cyclopropylsulphonyl,

$R^2$  represents cyano, fluoro, chloro or bromo, or represents in each case optionally fluoro-, chloro-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i- or s-butyl, propenyl, butenyl, propinyl, butinyl, methoxy, ethoxy, n- or i-propoxy, n-, i- or s-butoxy, propenyoxy, butenyoxy, propinyloxy or butinyloxy and

$R^3$  represents in each case optionally substituted heterocycl of the formulae below,



in which

$Q^1$ ,  $Q^2$  and  $Q^3$  each represent oxygen or sulphur, and  $R^4$  represents hydrogen, hydroxyl or amino, or represents  $C_3\text{-}C_8$ -alkyl-deneamino, or represents in each case optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, or represents in each case optionally fluoro-, chloro- or bromo-substituted propenyl, butenyl, propinyl or butinyl, or represents in each case optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, methylamino, ethylamino, n- or i-propylamino, n-, i-, s- or t-butylamino, or represents propenyoxy or butenyoxy, or represents dimethylamino or diethylamino, or represents in each case optionally fluoro-, chloro-, methyl- and/or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl or cyclohexylmethyl, or represents in each case optionally fluoro-, chloro-, methyl-, trifluoromethyl- and/or methoxy-substituted phenyl or benzyl,

$R^5$  represents hydrogen, hydroxyl, mercapto, amino, fluoro, chloro or bromo, or represents in each case optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-,

s- or t-butyl, or represents in each case optionally fluoro-, chloro- or bromo-substituted ethenyl, propenyl, butenyl, propinyl or butinyl, or represents in each case optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methoxy, ethoxy, n- or i-propoxy, 5 n-, i-, s- or t-butoxy, methylthio, ethylthio, n- or i-propylthio, n-, i-, s- or t-butylthio, methylamino, ethylamino, n- or i-propylamino, n-, i-, s- or t-butylamino, or represents propenyloxy, butenyloxy, 10 propinyloxy, butinyloxy, propenylthio, propadienylthio, butenylthio, propenylthio, butenylthio, propenylamino, butenylamino, propinylamino or butinylamino, or represents dimethylamino, diethylamino or dipropylamino, or represents in each case 15 optionally fluoro-, chloro-, methyl- and/or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopentenyl, cyclohexenyl, cyclopropyloxy, cyclobutyloxy, cyclopentyloxy, cyclohexyloxy, cyclopropylthio, cyclobutylthio, 20 cyclopentylthio, cyclohexylthio, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, 25 cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, cyclopropylmethylthio, cyclobutylmethylthio, cyclopentylmethylthio, cyclohexylmethylthio, cyclopentylmethylamino, cyclobutylmethylamino, cyclopentylmethylamino or cyclohexylmethylamino, or represents in each case 30 optionally fluoro-, chloro-, methyl-, trifluoromethyl-, methoxy- and/or methoxy-carbonyl substituted phenyl, benzyl, phenoxy, benzyloxy, phenylthio, benzylthio, phenylamino or benzylamino, or

R<sup>4</sup> and R<sup>5</sup> together represent optionally branched alkanediyl having 3 to 11 carbon atoms, and also R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are identical or different and represent hydrogen, cyano, fluoro, chloro or bromo, or represent in each case optionally fluoro-, chloro-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, propenyl, butenyl, propinyl, butinyl, methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, propenyloxy, butenyloxy, propinyloxy, butinyloxy, 45 methylthio, ethylthio, n- or i-propylthio, n-, i-, s- or t-butylthio, propenylthio, butenylthio, propinylthio, butinylthio, methylsulphonyl, ethylsulphonyl, methylsulphonyl or ethylsulphonyl, or represent cyclopropyl, the previously known compounds 4,5-dimethoxy-2-(2,5- 50 dimethoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one, 4,5-diethoxy-2-(2,5-dimethoxy-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one and N-(2,5-dimethoxy-phenylsulphonyl)-1,5-dimethyl-1H-pyrazole-3- 55 carboxamide being excluded by disclaimer.

A very particularly preferred group of compounds according to the invention are the compounds of the formula (I), in which

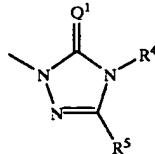
A represents a single bond,

Q represents oxygen or sulphur,

R<sup>1</sup> represents methyl, ethyl, n- or i-propyl,

R<sup>2</sup> represents chloro or methyl- in each case in position 5 or 6- and

R<sup>3</sup> represents optionally substituted triazolinyl of the formula below



in which

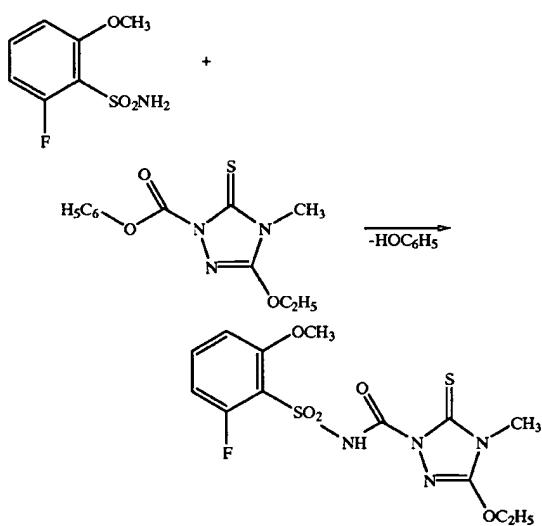
Q<sup>1</sup> represents oxygen or sulphur, and

R<sup>4</sup> represents in each case optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, or represents propenyl or propinyl, or represents methoxy, ethoxy, n- or i-propoxy, or represents cyclopropyl, and

R<sup>5</sup> represents hydrogen, chloro or bromo, or represents in each case optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, or represents in each case optionally fluoro and/or chloro-substituted propenyl or propinyl, or represents in each case optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, or represents propenyloxy or cyclopropyl.

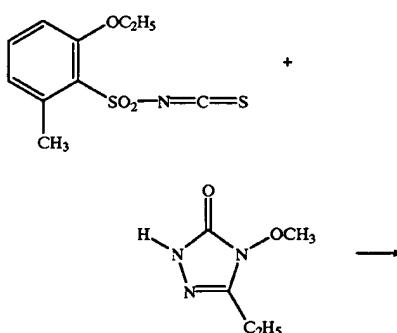
The radical definitions listed above, whether general or listed in ranges of preference, apply not only to the end products of the formula (I) but also, correspondingly, to the starting materials and/or intermediates required in each case of the preparation. These radical definitions can be combined as desired with one another, thus including combinations between the preferred ranges indicated.

Using, for example, 2-fluoro-6-methoxybenzenesulphonamide and 5-ethoxy-4-methyl-2-phenoxy carbonyl-2,4-dihydro-3H-1,2,4-triazole-3-thione as starting materials, the course of reaction in the process (a) according to the invention can be illustrated by the following equation:

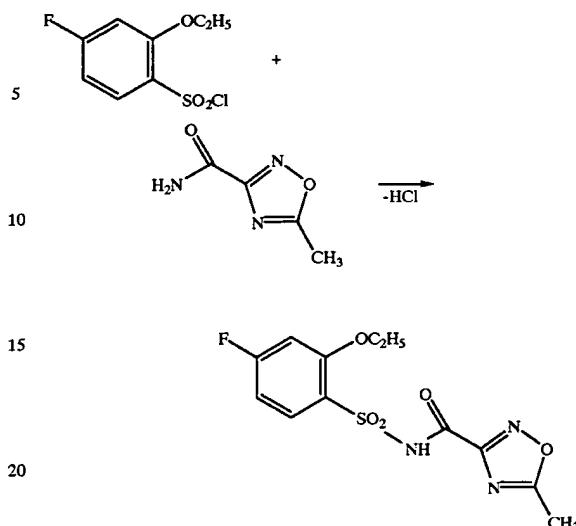


Using, for example, 2-ethoxy-6-methyl-phenylsulphonylisothiocyanate and 5-ethyl-4-methoxy-2,4-dihydro-3H-1,2,4-triazol-3-one as starting materials, the course of reaction in the process (b) according to the invention can be illustrated by the following equation:

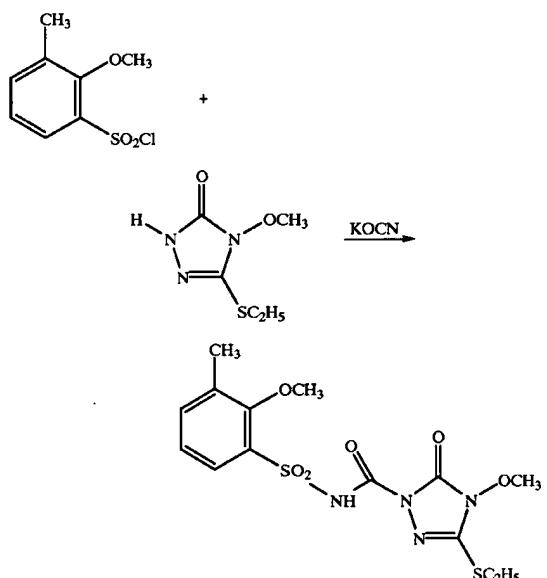
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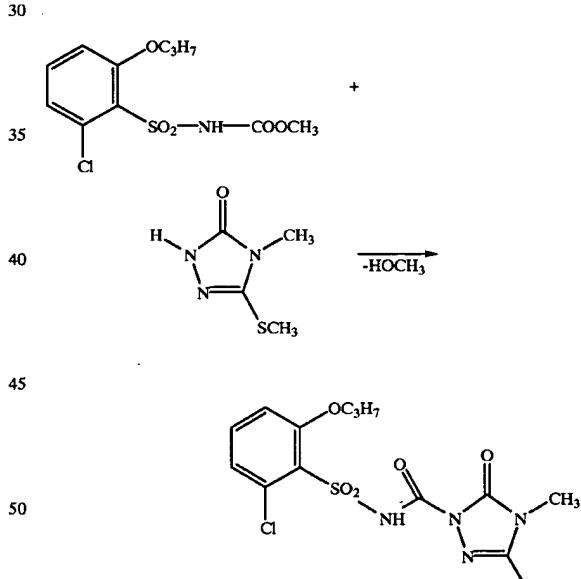
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Using, for example, 2-nethoxy-3-methyl-benzenesulphochloride, 5-ethylthio-4-methoxy-2,4-dihydro-3H-1,2,4 -triazol-3-one and potassium cyanate as starting materials, the course of reaction in the process (c) according to the invention can be illustrated by the following equation:

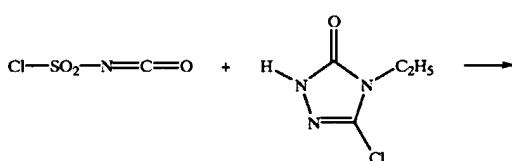


30 Using, for example, N-(2-chloro-6-propoxy-phenylsulphonyl)-O-methyl-urethane and 4-methyl-5-methylthio-2,4-dihydro-3H-1,2,4-triazol-3-one as starting materials, the course of reaction in the process (e) according to the invention can be illustrated by the following equation:



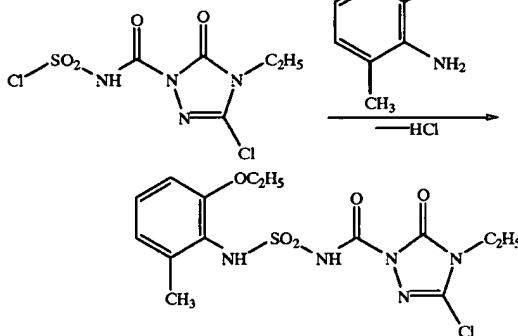
35 40 45 50 55 60 65 Using, for example, 5-chloro-4-ethyl-2,4-dihydro-3H-1,2,4-triazol-3-one and chlorosulphonylisocyanate and then 2-ethoxy-6-methyl-aniline as starting materials, the course of reaction in the process (f) according to the invention can be illustrated by the following equation:

Using, for example, 2-ethoxy-4-fluorobenzenesulphochloride and 5-methyl-1,2,4-oxadiazole-3-carboxamide as starting materials, the course of reaction in the process (d) according to the invention can be illustrated by the following equation:



11

-continued



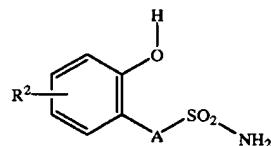
12

 $A^1$  and  $A^2$  have the meanings given above

are reacted with ammonia, optionally in the presence of a diluent, for example water, at temperatures between 0° C. and 50° C. (cf. the Preparation Examples).

5 The starting materials of the formula (II) can in general be obtained also by reacting phenol derivatives of the formula (IIb)

(IIb)

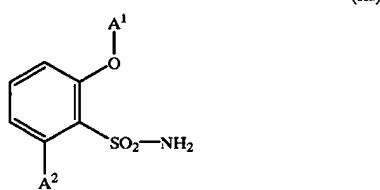


in which

A and  $R^2$  have the meanings given above  
20 with alkylating agents of the formula (XI) $X-R^1$ 

(XI)

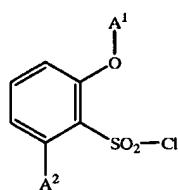
in which

 $R^1$  has the meaning given above, and25  $X$  represents halogen or the group  $R^1-O-SO_2-O-$ ,  
optionally in the presence of an acid acceptor, for example  
potassium carbonate, and optionally in the presence of  
a diluent, for example toluene, at temperatures between  
10° C. and 150° C. (cf. the Preparation Examples).30 The phenol derivatives of the formula (IIb) required as  
precursors are known and/or can be prepared by methods  
known per se (cf. EP 44807, Metallocerfläche [Metal  
surface]—Angew. Elektrochemie 27 (1973), 217–227—  
cited in Chem. Abstracts 79:86733; Preparation Examples).35 The alkylating agents of the formula (XI) which are also  
required as precursors are known synthesis chemicals.A general definition of the (thio)carboxylic acid derivatives  
also to be used as starting materials in the process (a)  
according to the invention for the preparation of the com-  
40 pounds of the formula (I) is given by the formula (III). In the  
formula (III), Q and  $R^3$  preferably or in particular have that  
meaning which has already been indicated above, in con-  
nection with the description of the compounds of the for-  
45 mula (I) to be prepared in accordance with the invention, as  
being preferable or, respectively, particularly preferable for  
Q and  $R^3$ , Z preferably represents fluorine, chlorine,  
bromine,  $C_1-C_4$ -alkoxy, phenoxy or benzyloxy, and in par-  
ticular represents chlorine, methoxy, ethoxy or phenoxy.The starting materials of the formula (III) are known  
50 and/or can be prepared by methods known per se (cf. EP  
459244, EP 341489, EP 422469, EP 425948, EP 431291, EP  
507171, EP 534266).A general definition of the sulphonyl iso(thio)cyanate to  
be used as starting materials in the process (b) according to  
55 the invention for the preparation of the compounds of the  
formula (I) is given with the formula (IV). In the formula  
(IV), A, Q,  $R^1$  and  $R^2$  preferably or in particular have that  
meaning which has already been indicated above, in con-  
nection with the description of the compounds of the for-  
60 mula (I) to be prepared in accordance with the invention, as  
being preferable or particularly preferable for A, Q,  $R^1$  and  
 $R^2$ .The starting materials of the formula (IV) are known  
and/or can be prepared by methods known per se (cf. EP  
65 23422, EP 216504).Compounds not yet known from the literature, and which  
as novel substances are likewise a subject of the present

in which

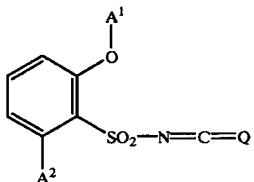
 $A^1$  represents ethyl, n- or i-propyl, n-, i-, s- or t-butyl,  
trifluoromethyl, fluoroethyl, chloroethyl, difluoroethyl,  
trifluoroethyl, chlorotrifluoroethyl, methoxyethyl,  
ethoxyethyl, allyl, propargyl or benzyl, and $A^2$  represents methyl, ethyl, n- or i-propyl, n-, i-, s- or  
t-butyl.The novel sulphonamides of the formula (IIa) are  
obtained if sulphonyl chlorides of the formula (VIa)

(VIa)



in which

application, are the sulphonyl iso(thio)cyanates of the general formula (IVa)



in which

Q represents oxygen or sulphur,

$A^1$  represents ethyl, n- or i-propyl, n-, i-, s- or t-butyl, trifluoromethyl, fluoroethyl, chloroethyl, difluoroethyl, trifluoroethyl, chlorotrifluoroethyl, methoxyethyl, ethoxyethyl, allyl, propargyl or benzyl, and

$A^2$  represents methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl.

The novel sulphonyl iso(thio)cyanates of the formula (IVa) are obtained if sulphonamides of the formula (IIa)—above—are reacted with phosgene or, respectively, thiophosgene, optionally in the presence of an alkyl isocyanate, for example butyl isocyanate, optionally in the presence of a reaction auxiliary, for example diazabicyclo [2.2.2]octane, and in the presence of a diluent, for example toluene, xylene or chlorobenzene, at temperatures between 80° C. and 150° C., and, after the end of the reaction, the volatile components are distilled off under reduced pressure.

A general definition of the heterocycles also to be used as starting materials in the processes (b), (c), (e) and (f) according to the invention for the preparation of the compounds of the formula (I) is given by the formula (V). In the formula (V),  $R^3$  preferably or in particular has that meaning which has already been indicated above, in connection with the description of the compounds of the formula (I) to be prepared in accordance with the invention, as being preferable or particularly preferable for  $R^3$ .

The starting materials of the formula (V) are known and/or can be prepared by methods known per se (cf. EP 341489, EP 422469, EP 425948, EP 431291, EP 507171, EP 534266).

A general definition of the chlorosulphonyl compounds to be used as starting materials in the processes (c) and (d) according to the invention for the preparation of compounds of the formula (I) is given by the formula (VI). In the formula (VI), A,  $R^1$  and  $R^2$  preferably or in particular have that meaning which has already been indicated above, in connection with the description of the compounds of the formula (I) to be prepared in accordance with the invention, as being preferable or particularly preferable for A,  $R^1$  and  $R^2$ .

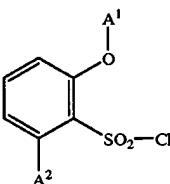
The starting materials of the formula (VI) are known and/or can be prepared by methods known per se (cf. EP 511826, DE 3208189, EP 23422).

Compounds not yet known from the literature, which as novel substances are likewise a subject of the present application, are the sulphonyl chlorides of the formula (VIa)

(IVa)

5  
10

(VIa)



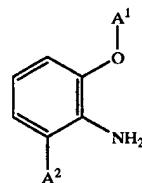
in which

$A^1$  represents ethyl, n- or i-propyl, n-, i-, s- or t-butyl, trifluoromethyl, fluoroethyl, chloroethyl, difluoroethyl, trifluoroethyl, chlorotrifluoroethyl, methoxyethyl, ethoxyethyl, allyl, propargyl or benzyl, and

$A^2$  represents methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl.

The novel sulphonyl chlorides of the formula (VIa) are obtained if aniline derivatives of the formula (XII)

(XII)



in which

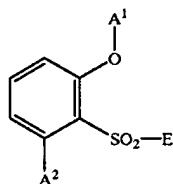
$A^1$  and  $A^2$  have the meanings given above

are reacted with an alkali metal nitrite, for example sodium nitrite, in the presence of hydrochloric acid at temperatures between -10° C. and +10° C., and the diazonium salt solution thus obtained is reacted with sulphur dioxide in the presence of a diluent, for example dichloromethane or 1,2-dichloro-ethane, and in the presence of a catalyst, for example copper(I) chloride, optionally in the presence of a further catalyst, for example dodecytrimethylammonium bromide, at temperatures between -10° C. and +50° C. (cf. the Preparation Examples).

The aniline derivatives of the formula (XII) required as precursors are known and/or can be prepared by methods known per se (cf. EP 511826, US 4992091, EP 185128, DE 2405479, Preparation Examples).

The abovementioned novel benzenesulphonic acid derivatives of the formulae (IIa), (IVa) and (VIa) can be defined comprehensively by the following formula (XIII):

(XIII)



in which

E represents  $-NH_2$ ,  $-N=C+Q$  or  $-Cl$ , where

Q represents O or S, and also

$A^1$  represents ethyl, n- or i-propyl, n-, i-, s- or t-butyl, trifluoromethyl, fluoroethyl, chloroethyl, difluoroethyl,

trifluoroethyl, chlorotrifluoroethyl, methoxyethyl, ethoxyethyl, allyl, propargyl or benzyl, and  
 $A^2$  represents methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl.

A general definition of the (thio)carboxamides to be used as starting materials in the process (d) according to the invention for the preparation of the compounds of the formula (I) is given by the formula (VIII). In the formula (VIII), Q and R<sup>3</sup> preferably or in particular have that meaning which has already been indicated above, in connection with a description of the compounds of the formula (I) to be prepared in accordance with the invention, as being preferable or particularly preferable for Q and R<sup>3</sup>.

The starting materials of the formula (VIII) are known and/or can be prepared by methods known per se (cf. EP 459244).

A general definition of the sulphonylamino(thio)carbonyl compounds to be used as starting materials in the process (e) according to the invention for the preparation of the compounds of the formula (I) is given by the formula (IX). In the formula (IX), A, Q, R<sup>1</sup> and R<sup>2</sup> preferably or in particular have that meaning which has already been indicated above, in connection with the description of the compounds of the formula (I) to be prepared in accordance with the invention, as being preferable or particularly preferable for A, Q, R<sup>1</sup> and R<sup>2</sup>; Z preferably represents fluoro, chloro, bromo, C<sub>1</sub>-C<sub>4</sub>-alkoxy, phenoxy or benzyloxy, and in particular represents chlorine, methoxy, ethoxy or phenoxy.

A general definition of the benzene derivatives to be used as starting materials in the process (f) according to the invention for the preparation of the compounds of the formula (I) is given by the formula (X). In the formula (X), A, R<sup>1</sup> and R<sup>2</sup> preferably or in particular have that meaning which has already been indicated above, in connection with the description of the compounds of the formula (I) to be prepared in accordance with the invention, as being preferable or particularly preferable for A, R<sup>1</sup> and R<sup>2</sup>.

Starting materials of the formula (X) are known and/or can be prepared by methods known per se (cf. EP 511826, U.S. Pat. No. 4,992,091, EP 185128, DE 2405479, Preparation Examples).

The processes (a), (b), (c), (d), (e) and (f) according to the invention for the preparation of the novel compounds of the formula (I) are preferably carried out using diluents. Suitable diluents in this context are virtually all inert organic solvents. These include, preferably, aliphatic and aromatic, optionally halogenated hydrocarbons such as pentane, hexane, heptane, cyclohexane, petroleum ether, benzine, ligroin, benzene, toluene, xylene, methylene chloride, ethylene chloride, chloroform, tetrachloromethane, chlorobenzene and o-dichlorobenzene; ethers such as diethyl ether and dibutyl ether, glycol dimethyl ether and diglycol dimethyl ether, tetrahydrofuran and dioxanes; ketones such as acetone, methyl ethyl ketone, methyl isopropyl ketone and methyl isobutyl ketone; esters such as methyl acetate and ethyl acetate; nitrites, for example acetonitrile and propionitrile; amides, for example dimethylformamide, dimethylacetamide and N-methylpyrrolidone, and also dimethyl sulphoxide, tetramethylene sulphone and hexamethylphosphoric triamide.

As reaction auxiliaries and/or as acid acceptors in the processes (a), (b), (c), (d), (e) and (f) according to the invention it is possible to employ all acid-binding agents which can customarily be used for such reactions. Preferred among suitable examples are alkali metal hydroxides, for example sodium hydroxide and potassium hydroxide, alkaline earth metal hydroxides, for example calcium hydroxide, alkali metal carbonates and alcoholates, such as sodium carbonate and potassium carbonate, sodium tert-butyrate and potassium tert-butyrate, and also basic nitrogen compounds, such as trimethylamine, triethylamine, tripropylamine,

tributylamine, diisobutylamine, dicyclohexylamine, ethyldiisopropylamine, ethyldicyclohexylamine, N,N-dimethylbenzylamine, N,N-dimethyl-aniline, pyridine, 2-methyl-, 3-methyl-, 4-methyl-, 2,4-dimethyl-, 2,6-dimethyl-, 2-ethyl-, 4-ethyl- and 5-ethyl-2-methyl-pyridine, 1,5-diazabicyclo[4.3.0]-non-5-ene (DBN), 1,8-diazabicyclo[5.4.0]-undec-7-ene (DBU) and 1,4-diazabicyclo-[2.2.2]-octane (DABCO).

The reaction temperatures in the processes (a), (b), (c), (d), (e) and (f) according to the invention can be varied within relatively wide range. They are in general carried out at temperatures of between -20° C. and +150° C., preferably at temperatures between 0° C. and +100° C.

The processes (a), (b), (c), (d), (e) and (f) according to the invention are generally carried out under atmospheric pressure. However it is also possible to operate under increased or reduced pressure.

For carrying out processes (a), (b), (c), (d), (e) and (f) according to the invention, the starting materials required in each case are in general employed in approximately equimolar quantities. However, it is also possible to use one of the components employed in each case in a relatively large excess. The reactions are in general carried out in a suitable diluent in the presence of an acid acceptor, and the reaction mixture is stirred for a number of hours at the particular temperature required. Working up in the case of the processes (a), (b), (c), (d), (e) and (f) according to the invention is in each case by customary methods (cf. the Preparation Examples).

Salts of the compounds of the general formula (I) according to the invention can be prepared if desired. Such salts are obtained in a simple manner by customary methods of forming salts, for example by dissolving or dispersing a compound of the formula (I) in an appropriate solvent, for example methylene chloride, acetone, tert-butyl methyl ether or toluene, and adding an appropriate base. The salts can then—if desired after prolonged stirring—be isolated by concentration or filtration with suction.

The active compounds according to the invention can be used as defoliants, desiccants, agents for destroying broad-leaved plants and, especially, as weed-killers. By weeds, in the broadest sense, there are to be understood all plants which grow in locations where they are not wanted. Whether the substances according to the invention act as total or selective herbicides depends essentially on the amount used.

The active compounds according to the invention can be used, for example, in connection with the following plants:

Dicotyledon weeds of the genera: Sinapis, Lepidium, Galium, Stellaria, Matricaria, Anthemis, Galinsoga, Chenopodium, Urtica, Senecio, Amaranthus, Portulaca, Xanthium, Convolvulus, Ipomoea, Polygonum, Sesbania, Ambrosia, Cirsium, Carduus, Sonchus, Solanum, Rorippa, Rotala, Lindernia, Lamium, Veronica, Abutilon, Emex, Datura, Viola, Galeopsis, Papaver, Centaurea, Trifolium, Ranunculus and Taraxacum.

Dicotyledon cultures of the genera: Gossypium, Glycine, Beta, Daucus, Phaseolus, Pisum, Solanum, Linum, Ipomoea, Vicia, Nicotiana, Lycopersicon, Arachis, Brassica, Lactuca, Cucumis and Cucurbita.

Monocotyledon weeds of the genera: Echinochloa, Setaria, Panicum, Digitaria, Phleum, Poa, Festuca, Eleusine, Brachiaria, Lolium, Bromus, Avena, Cyperus, Sorghum, Agropyron, Cynodon, Monochoria, Fimbristylis, Sagittaria, Eleocharis, Scirpus, Paspalum, Ischaemum, Sphenoclea, Dactyloctenium, Agrostis, Alopecurus and Apera.

Monocotyledon cultures of the genera: Oryza, Zea, Triticum, Hordeum, Avena, Secale, Sorghum, Panicum, Saccharum, Ananas, Asparagus and Allium.

However, the use of the active compounds according to the invention is in no way restricted to these genera, but also extends in the same manner to other plants.

The compounds are suitable, depending on the concentration, for the total combating of weeds, for example on industrial terrain and rail tracks, and on paths and squares with or without tree plantings. Equally, the compounds can be employed for combating weeds in perennial cultures, for example afforestations, decorative tree plantings, orchards, vineyards, citrus groves, nut orchards, banana plantations, coffee plantations, tea plantations, rubber plantations, oil palm plantations, cocoa plantations, soft fruit plantings and hopfields, in lawns, turf and pasture-land, and for the selective combating of weeds in annual cultures.

The compounds of the formula (I) according to the invention are preferably suitable for combating monocotyledon and dicotyledon broad-leaved weeds, both pre-emergence and post-emergence. They exhibit strong herbicidal activity and a broad spectrum action when used on the soil and on above-ground parts of the plants.

The active compounds can be converted into the customary formulations, such as solutions, emulsions, wettable powders, suspensions, powders, dusting agents, pastes, soluble powders, granules, suspension-emulsion concentrates, natural and synthetic materials impregnated with active compound, and very fine capsules in polymeric substances.

These formulations are produced in a known manner, for example by mixing the active compounds with extenders, that is liquid solvents and/or solid carriers, optionally with the use of surface-active agents, that is emulsifying agents and/or dispersing agents and/or foam-forming agents.

In the case of the use of water as an extender, organic solvents can, for example, also be used as auxiliary solvents. As liquid solvents, there are suitable in the main: aromatics, such as xylene, toluene or alkylnaphthalenes, chlorinated aromatics and chlorinated aliphatic hydrocarbons, such as chlorobenzenes, chloroethylenes or methylene chloride, aliphatic hydrocarbons, such as cyclohexane or paraffins, for example petroleum fractions, mineral and vegetable oils, alcohols, such as butanol or glycol as well as their ethers and esters, ketones, such as acetone, methyl ethyl ketone, methyl isobutyl ketone or cyclohexanone, strongly polar solvents, such as dimethylformamide and dimethyl sulphoxide, as well as water.

As solid carriers there are suitable:

for example ammonium salts and ground natural minerals, such as kaolins, clays, talc, chalk, quartz, attapulgite, montmorillonite or diatomaceous earth, and ground synthetic minerals, such as highly disperse silica, alumina and silicates, as solid carriers for granules there are suitable: for example crushed and fractionated natural rocks such as calcite, marble, pumice, sepiolite and dolomite, as well as synthetic granules of inorganic and organic meals, and granules of organic material such as sawdust, coconut shells, maize cobs and tobacco stalks; as emulsifying and/or foam forming agents there are suitable: for example non-ionic and anionic emulsifiers, such as polyoxyethylene fatty acid esters, polyoxyethylene fatty alcohol ethers, for example alkylaryl polyglycol ethers, alkylsulphonates, alkyl sulphates, arylsulphonates as well as albumen hydrolysis products; as dispersing agents there are suitable: for example lignin-sulphite waste liquors and methylcellulose.

Adhesives such as carboxymethylcellulose and natural and synthetic polymers in the form of powders, granules or latexes, such as gum arabic, polyvinyl alcohol and polyvinyl acetate, as well as natural phospholipids, such as cephalins and lecithins, and synthetic phospholipids, can be used in the formulations. Further additives can be mineral and vegetable oils.

It is possible to use colorants such as inorganic pigments, for example iron oxide, titanium oxide and Prussian Blue,

and organic dyes, such as alizarin dyes, azo dyes and metal phthalocyanine dyes, and trace nutrients such as salts of iron, manganese, boron, copper, cobalt, molybdenum and zinc.

5 The formulations in general contain between 0.1 and 95 per cent by weight of active compound, preferably between 0.5 and 90%.

For controlling weeds, the active compounds according to the invention, as such or in the form of their formulations, 10 can also be used as mixtures with known herbicides, finished formulations or tank mixes being possible.

Possible components for the mixtures are known herbicides, for example anilides, for example disulfuran and propanil; arylcarboxylic acids, for example dichloropicolinic acid, dicamba and picloram; aryloxyalkanoic acids, 15 for example 2,4-D, 2,4-DB, 2,4-DP, fluoxypyrid, MCPP, MCPP and triclopyr; aryloxy-phenoxy-alkanoic esters, for example diclofop-methyl, fenoxaprop-ethyl, fluazifop-butyl, haloxyfop-methyl and quizalofop-ethyl; azinones, 20 for example chloridazon and norflurazon; carbamates, for example chlorpropham, desmedipham, phenmedipham and propham; chloroacetanilides, for example alachlor, acetochlor, butachlor, metazachlor, metolachlor, pretilachlor and propachlor; dinitroanilines, for example oryzalin, pendimethalin and trifluralin; diphenyl ethers, for example acifluorfen, bifenox, fluoroglycofen, fomesafen, halosafen, lactofen and oxyfluorfen; ureas, for example chloroturon, diuron, fluometuron, isoproturon, linuron and methabenzthiazuron; hydroxylamines, for example alloxodim, clethodim, cycloxydim, sethoxydim and tralkoxydim; 25 imidazolinones, for example imazethapyr, imazamethabenz, imazapyr and imazaquin; nitriles, for example bromoxynil, dichlobenil and ioxynil; oxyacetamides, for example mefenacet; sulphonyl-ureas, for example amidosulfuron, bensulfuron-methyl, chlorimuron-ethyl, chlorsulfuron, 30 cinosulfuron, metsulfuron-methyl, nicosulfuron, primisulfuron, pyrazosulfuron-ethyl, thifensulfuron-methyl, triasulfuron and tribenuron-methyl; thiocarbamates, for example butylate, cycloate, diallate, EPTC, esprocarb, molinate, prosulfocarb, thiobencarb and triallate; triazines, 35 for example atrazine, cyanazine, simazine, simetryne, terbutryne and terbutylazine; triazinones, for example hexazinone, metamitron and metribuzin; others, for example aminotriazole, benfuresate, bentazone, cinmethylin, clomazone, clopyralid, difenzoquat, dithiopyr, ethofumesate, fluorochloridone, glufosinate, glyphosate, 40 isoxaben, pyridate, quinchlorac, quinmerac, sulphosate and tridiphane.

Mixtures with other known active compounds, such as fungicides, insecticides, acaricides, nematicides, bird repellants, plant nutrients and agents which improve soil 45 structure, are also possible.

The active compounds can be used as such, in the form of their formulations or in the use forms prepared therefrom by further dilution, such as ready-to-use solutions, suspensions, emulsions, powders, pastes and granules. They are used in the customary manner, for example by watering, spraying, atomizing or scattering.

The active compounds according to the invention can be applied either before or after emergence of the plants. They can also be incorporated into the soil before sowing.

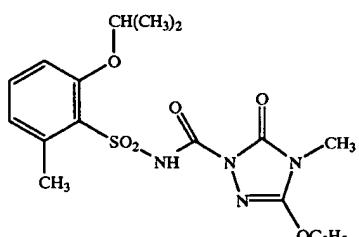
50 60 The amount of active compound used can vary within a substantial range. It depends essentially on the nature of the desired effect. In general, the amounts used are between 1 and 10 kg of active compound per hectare of soil surface, preferably between 5 g and 5 kg per ha.

65 The preparation and use of the active compounds according to the invention can be seen from the following examples.

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## PREPARATION EXAMPLES

## Example 1

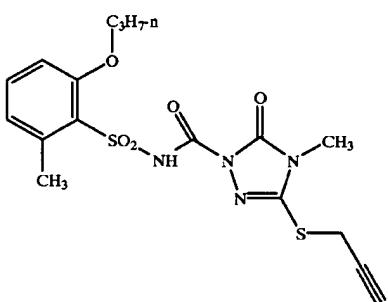


## (Process (a))

A mixture of 2.5 g (10 mmol) of 5-ethoxy-4-methyl-2-phenoxy carbonyl-2,4-dihydro-3H-1,2,4-triazol-3-one, 2.3 g (10 mmol) of 2-isopropoxy-6-methyl-phenylsulphonamide, 1.5 g (10 mmol) of diazabicyclo [5.4.0]undec-7-ene (DBU) and 50 ml of acetonitrile is stirred at 20° C. for 5 hours. It is then concentrated under a water pump vacuum and the residue is stirred with 50 ml of 1N hydrochloric acid, the mixture is filtered with suction, the filter product is stirred with diethyl ether and the mixture is again filtered with suction.

2.4 g (60% of theory) of 5-ethoxy-4-methyl-2-(2-isopropoxy-6-methyl-phenylsulphonyl-aminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one are obtained of melting point 155° C.

## Example 2



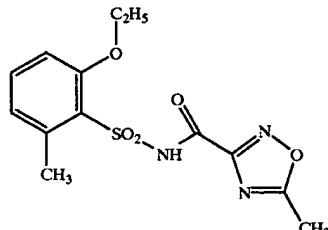
## (Process (c))

A mixture of 1.7 g (10 mmol) of 4-methyl-5-propargylthio-2,4-dihydro-3H-1,2,4-triazol-3-one, 1.3 g (20 mmol) of sodium cyanate, 2.5 g (10 mmol) of 2-methyl-6-n-propoxy-phenylsulphochloride and 50 ml of acetonitrile is heated under reflux for 3 hours. It is then concentrated under a water pump vacuum, the residue is stirred with 1N hydrochloric acid and the mixture is subjected three times to extraction with 50 ml of methylene chloride each time. The combined organic extraction solutions are concentrated, the residue is digested with isopropanol and the crystalline product is isolated by filtration with suction.

2.2 g (52% of theory) of 4-methyl-5-propargylthio-2-(2-methyl-6-n-propoxy-phenylsulphonyl-aminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one are obtained of melting point 151° C.

20

## Example 3

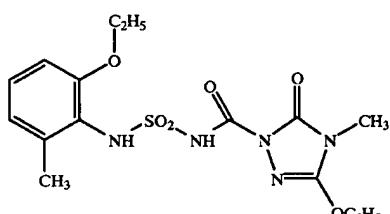


## (Process (d))

15 A mixture of 3.2 g (25 mmol) of 5-methyl-1,2,4-oxadiazole-3-carboxamide, 4.2 g (75 mmol) of potassium hydroxide (powder) and 200 ml of dioxane is stirred at 60° C. for 30 minutes. It is then concentrated to about half its volume under a water pump vacuum, and a solution of 7 g (30 mmol) of 2-ethoxy-6-methyl-phenylsulphochloride in 10 ml of dioxane is added dropwise at about 20° C. The reaction mixture is then stirred at 20° C. for about 15 hours more. It is then concentrated under a water pump vacuum, the residue is stirred with 50 ml of 1N hydrochloric acid and the crystalline product is isolated by filtration with suction. 4.0 g (49% of theory) of N-(2-ethoxy-6-methyl-phenylsulphonyl)-5-methyl-1,2,4-oxadiazole-3-carboxamide are obtained of melting point 168° C.

30

## Example 4



## (Process (f))

1.7 g (12 mmol) of chlorosulphonyl isocyanate are added to a solution, cooled to 5° C., of 1.4 g (10 mmol) of 5-ethoxy-4-methyl-2,4-dihydro-3H-1,2,4-triazol-3-one in 50 ml of methylene chloride, and then a solution of 1.5 g (10 mmol) of 2-ethoxy-6-methyl-aniline and 1.0 g (10 mmol) of triethylamine in 10 ml of methylene chloride is added dropwise, likewise at 5° C. The reaction mixture is then stirred at about 20° C. For 15 hours. Subsequently, 100 ml of 1N hydrochloric acid are added. After a thorough stirring, the organic phase is separated off, dried over sodium sulphate and filtered. The filtrate is concentrated under water pump vacuum, the residue is digested with isopropanol and the crystalline product is isolated by filtration with suction.

1.8 g (45% of theory) of 5-ethoxy-4-methyl-2-(2-ethoxy-6-methyl-phenyl-aminosulphonyl-aminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one are obtained of melting point 147° C.

60 In analogy to Example 1 to 4 and in accordance with the general description of the preparation processes according to the invention, it is also possible, for example, to prepare the compounds of the formula (I) listed in Table 1 below (showing Examples Nos. 5-965), as well as the compounds

65 of the formula (IA) listed in Table IA thereafter (showing Examples Nos. 966-1637):

TABLE 1

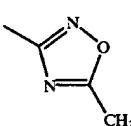
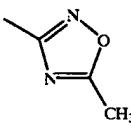
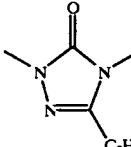
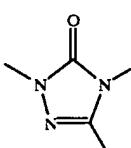
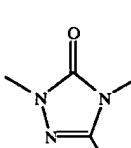
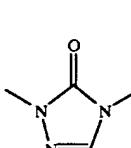
<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
5 —	O	n-C <sub>3</sub> H <sub>7</sub>		(6-)CH <sub>3</sub>		117
						
6 —	O	C <sub>2</sub> H <sub>5</sub>		(6-)Cl		156
						
7 —	O	C <sub>2</sub> H <sub>5</sub>		(6-)CH <sub>3</sub>		110
						
8 —	O	C <sub>2</sub> H <sub>5</sub>		(6-)CH <sub>3</sub>		141
						
9 —	O	C <sub>2</sub> H <sub>5</sub>		(6-)CH <sub>3</sub>		162
						
10 —	O	n-C <sub>3</sub> H <sub>7</sub>		(6-)CH <sub>3</sub>		126
						

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
11	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		150	
12	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		129	
13	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		153	
14	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		167	
15	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		167	
16	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		125	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

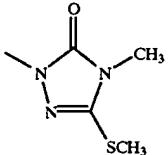
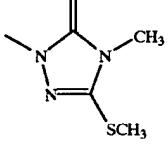
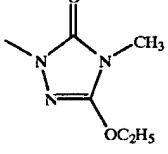
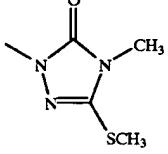
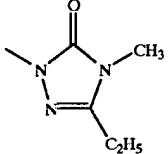
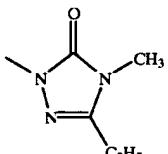
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
17	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		131
18	—	O	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>		222
19	—	O	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>		139
20	—	O	C <sub>2</sub> H <sub>5</sub>	(4-)CH <sub>3</sub>		189
21	—	O	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>		131
22	—	O	—C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		118

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
23	—	O	—CH <sub>2</sub> CH <sub>2</sub> Cl	(6-)CH <sub>3</sub>		137
24	—	O	—CH <sub>2</sub> CH <sub>2</sub> Cl	(6-)CH <sub>3</sub>		149
25	—	O	i-C <sub>3</sub> H <sub>7</sub>	(5-)CH <sub>3</sub>		125
26	—	O	i-C <sub>3</sub> H <sub>7</sub>	(5-)CH <sub>3</sub>		140
27	—	O	n-C <sub>3</sub> H <sub>7</sub>	(5-)CH <sub>3</sub>		119
28	—	O	n-C <sub>3</sub> H <sub>7</sub>	(5-)CH <sub>3</sub>		134

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>		
29	—	O	n-C <sub>3</sub> H <sub>7</sub>	(5-)CH <sub>3</sub>		110	(I)
30	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		108	
31	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		173	
32	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		119	
33	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		121	
34	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		109	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

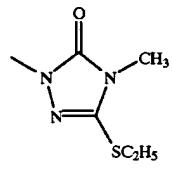
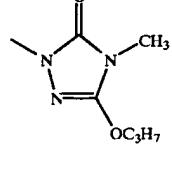
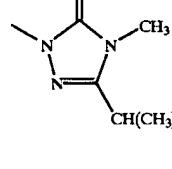
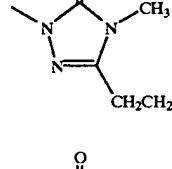
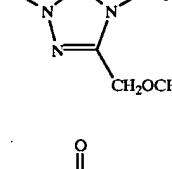
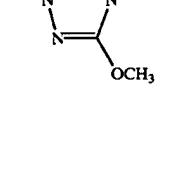
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
35	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		111
36	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		91
37	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		130
38	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		126
39	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		101
40	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		152

TABLE 1-continued

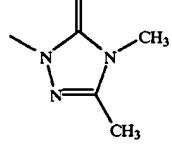
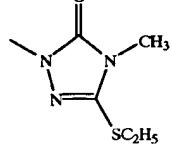
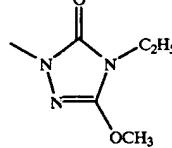
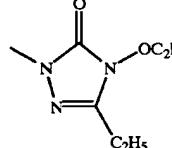
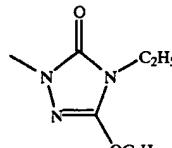
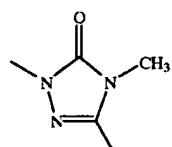
<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
41	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		100
42	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		120
43	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		117
44	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		126
45	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		113
46	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		130

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
47	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		139
48	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		121
49	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		119
50	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		128
51	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		134
52	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		130

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
53	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		117
54	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		134
55	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		141
56	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		132
57	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		166
58	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		118

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
59	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		150	
60	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		144	
61	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		170	
62	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		120	
63	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		124	
64	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		125	

TABLE 1-continued

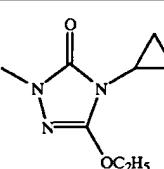
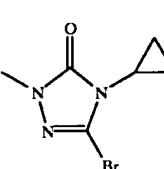
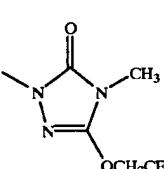
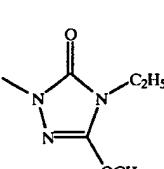
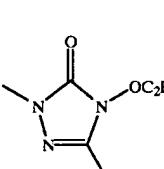
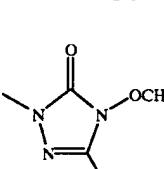
<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
65	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		116
66	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		152
67	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		143
68	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		160
69	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		133
70	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		97

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
71	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		96	
72	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		156	
73	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		145	
74	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		120	
75	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		125	
76	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		140	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)						
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
77	—	O	H	(6-)CH <sub>3</sub>		88
78	—	O	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>		130
79	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		141
80	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		98
81	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		141
82	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		101

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(I)		
				(position)- R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
83	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		136
84	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		96
85	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		90
86	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		136
87	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		122

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

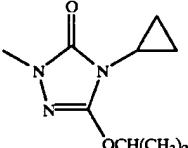
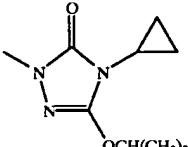
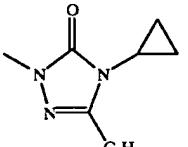
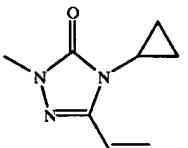
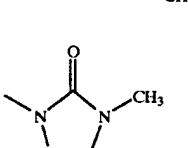
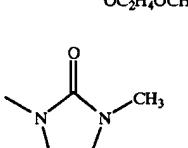
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
88	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		154
89	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		139
90	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		142
91	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		153
92	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		145
93	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		132

TABLE 1-continued

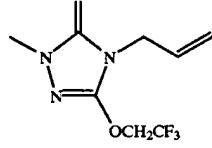
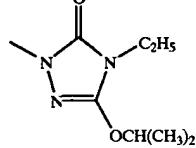
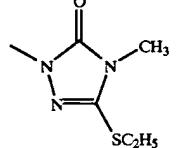
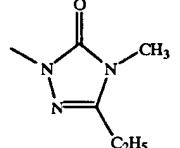
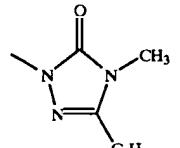
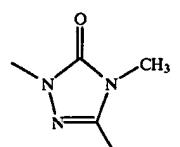
<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
94	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		141
95	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		130
96	—	O	CH <sub>3</sub>	(5-)CH <sub>3</sub>		156
97	—	O	CH <sub>3</sub>	(5-)CH <sub>3</sub>		177
98	—	O	CH <sub>3</sub>	(4-)CH <sub>3</sub>		115
99	—	O	CH <sub>3</sub>	(4-)CH <sub>3</sub>		166

TABLE 1-continued

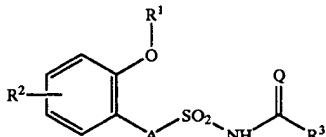
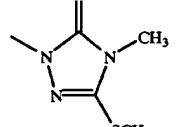
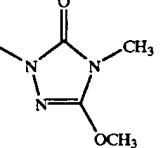
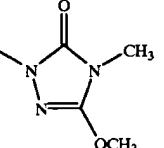
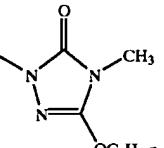
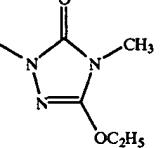
<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
100	—	O	CH <sub>3</sub>	(3-)CH <sub>3</sub>		162
101	—	O	CH <sub>3</sub>	(3-)CH <sub>3</sub>		143
102	—	O	CH <sub>3</sub>	(3-)CH <sub>3</sub>		165
103	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		176
104	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		119
105	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		126

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

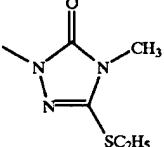
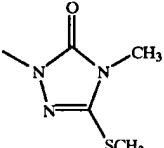
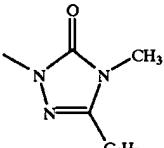
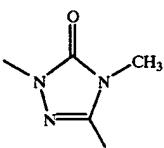
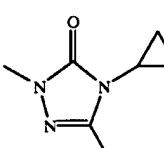
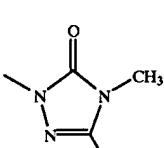
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
106	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		151
107	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		188
108	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		137
109	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		117
110	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		155
111	—	O	CHF <sub>2</sub>	(4-)CH <sub>3</sub>		152

TABLE 1-continued

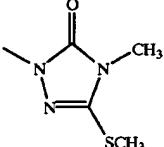
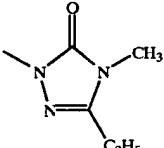
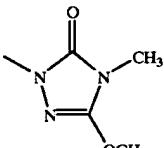
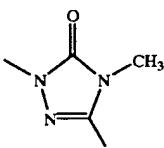
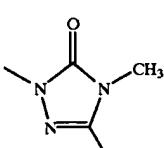
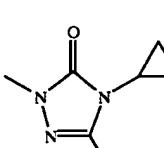
<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
112	—	O	CHF <sub>2</sub>	(4)-CH <sub>3</sub>		176
113	—	O	CHF <sub>2</sub>	(4)-CH <sub>3</sub>		108
114	—	O	CHF <sub>2</sub>	(6)-CH <sub>3</sub>		163
115	—	O	CHF <sub>2</sub>	(6)-CH <sub>3</sub>		136
116	—	O	CHF <sub>2</sub>	(6)-CH <sub>3</sub>		118
117	—	O	CHF <sub>2</sub>	(6)-CH <sub>3</sub>		104

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
118	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		98	
119	—	O	CHF <sub>2</sub>	(6-)CH <sub>3</sub>		128	
120	—	O	CHF <sub>2</sub>	(6-)CH <sub>3</sub>		165	
121	—	O	CHF <sub>2</sub>	(6-)CH <sub>3</sub>		155	
122	—	O	CHF <sub>2</sub>	(6-)CH <sub>3</sub>		105	
123	—	O	CHF <sub>2</sub>	(6-)CH <sub>3</sub>		81	

TABLE 1-continued

Examples of the compounds of the formula (I)

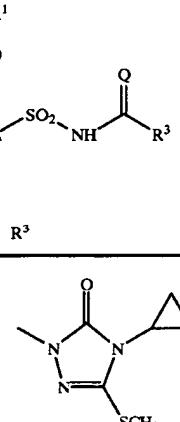
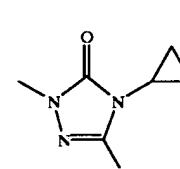
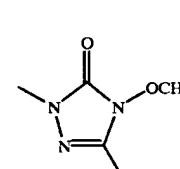
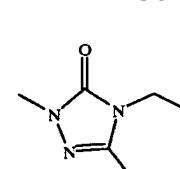
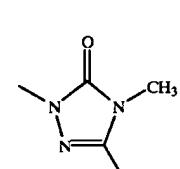
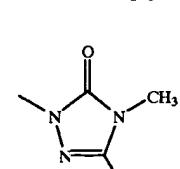
Ex. No.	A	Q	R <sup>1</sup>	(I)		Melting point (° C.)
				(position-) R <sup>2</sup>	R <sup>3</sup>	
124	—	O	CHF <sub>2</sub>	(6-)CH <sub>3</sub>		174
125	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		150
126	—	O	CHF <sub>2</sub>	(6-)CH <sub>3</sub>		124
127	—	O	CHF <sub>2</sub>	(6-)CH <sub>3</sub>		200
128	—	S	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		160
129	—	S	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		148

TABLE 1-continued

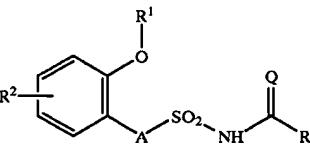
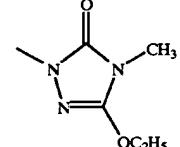
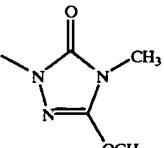
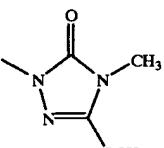
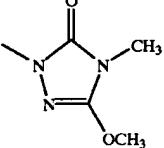
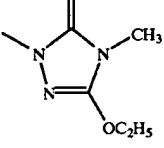
<u>Examples of the compounds of the formula (I)</u>					
Ex. No.	A	Q	R <sup>1</sup>	(I)	
			(position-) R <sup>2</sup>	R <sup>3</sup>	
130	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	141
					
131	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	125
					
132	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	158
					
133	—	S	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	155
					
134	—	S	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	153
					
135	—	S	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	131
					

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
136	—	S	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		120
137	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)Cl		149
138	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)Cl		99
139	—	O	CH <sub>3</sub>	(6-)Cl		176
140	—	O	CH <sub>3</sub>	(6-)Cl		192
141	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)Cl		144

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
142	—	O	CH <sub>3</sub>	(6-)Cl		114
143	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)Cl		144
144	—	O	CH <sub>3</sub>	(6-)Cl		157
145	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)Cl		142
146	—	O	CH <sub>3</sub>	(6-)Cl		191
147	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)Cl		116

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
148	—	O	CH <sub>3</sub>	(6-)Cl		205
149	—	O	CH <sub>3</sub>	(6-)Cl		147
150	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)Cl		117
151	—	O	CH <sub>3</sub>	(6-)Cl		149
152	—	O	CH <sub>3</sub>	(6-)Cl		176
153	—	O	CH <sub>3</sub>	(6-)Cl		150

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
154	—	O	CH <sub>3</sub>	(6-)Cl		146
155	—	O	CH <sub>3</sub>	(6-)Cl		191
156	—	O	CH <sub>3</sub>	(6-)Cl		127
157	—	O	CH <sub>3</sub>	(6-)Cl		174
158	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		117
159	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		134

TABLE 1-continued

Examples of the compounds of the formula (I)

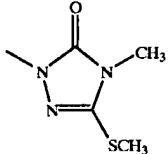
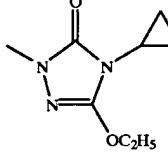
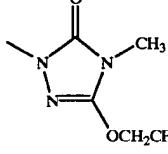
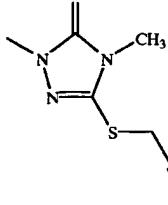
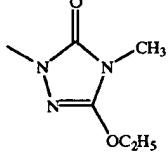
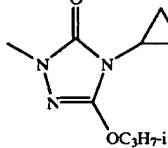
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
160	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		115	
							
161	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		137	
							
162	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		125	
							
163	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		119	
							
164	—	O	H	(6-)Cl		147	
							
165	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		148	
							

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)		
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>		Melting point (° C.)
166	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl			143
167	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl			122
168	—	O	CH <sub>3</sub>	(6-)Cl			165
169	—	O	n-C <sub>3</sub> H <sub>7</sub>	(5-)Cl			154
170	—	O	n-C <sub>3</sub> H <sub>7</sub>	(5-)Cl			136

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
171	—	O	n-C <sub>3</sub> H <sub>7</sub>	(5-)Cl		128	
172	—	O	CH <sub>3</sub>	(6-)Cl		143	
173	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		136	
174	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		121	
175	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		158	
176	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		141	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
177	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		127	
178	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		143	
179	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		129	
180	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl		95	
181	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		74	
182	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		114	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
183	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		140	
184	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		159	
185	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		107	
186	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		132	
187	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		132	
188	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		110	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
189	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		159	
190	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		138	
191	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		147	
192	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		114	
193	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		125	
194	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		126	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
195	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		151	
196	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		121	
					2CCl <sub>3</sub> ).		
198	NH	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		135	
					3) <sub>2</sub> ).		
200	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		119	
					3H <sub>7</sub> i).		

TABLE 1-continued

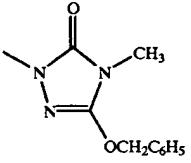
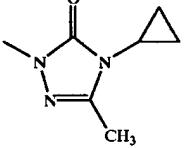
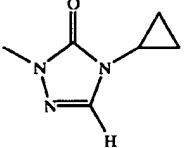
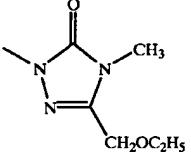
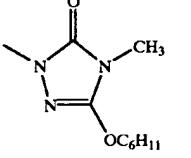
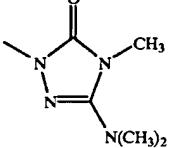
<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
201	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		146
202	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		128
203	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		186
204	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		239
205	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		152
206	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		155

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
207	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		145 (Na salt)	
208	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		209 (Na salt)	
209	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		147 (Na salt)	
210	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		140	
211	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		118	
212	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		156	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

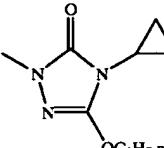
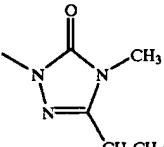
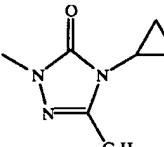
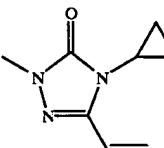
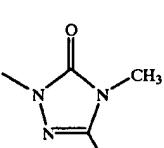
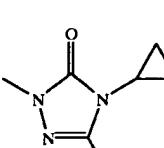
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
213	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		110
214	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		133
215	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		138
216	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		154
217	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		149
218	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		112

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
219	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		162
220	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		99
221	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		146
222	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		134
223	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		199
224	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		176

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
225	—	O	CH <sub>3</sub>	(6-)	CH <sub>3</sub>	145
226	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)	CH <sub>3</sub>	133
227	NH	O	n-C <sub>3</sub> H <sub>7</sub>	(5-)	CH <sub>3</sub>	127
228	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)	CH <sub>3</sub>	144
229	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)	CH <sub>3</sub>	141
230	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)	CH <sub>3</sub>	152

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

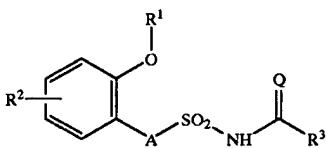
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
231	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		132
232	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		147
233	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		163
234	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		102
235	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		121
236	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		113

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-)R <sup>2</sup>		Melting point (° C.)	(I)
				R <sup>2</sup>	R <sup>3</sup>		
237	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		145	
238	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		137	
239	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		172	
240	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		148	
241	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		157	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
242	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		186	
243	NH	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		170	
244	—	O	CHF <sub>2</sub>	(5-)CH <sub>3</sub>		160	
245	—	S	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		160	
246	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		205	
247	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>		92	

TABLE 1-continued

Examples of the compounds of the formula (I)

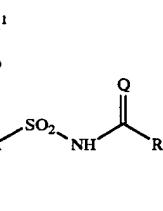
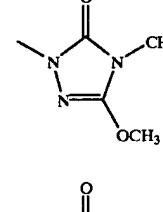
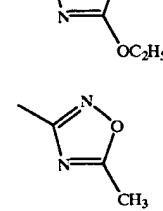
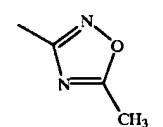
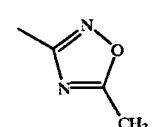
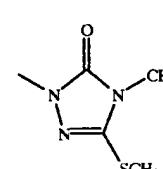
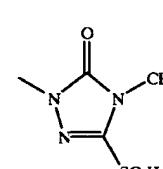
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
248	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>		154	
249	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>		157	
250	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		176	
251	—	O	n-C <sub>3</sub> H <sub>7</sub> -n	(6-)CF <sub>3</sub>		166	
252	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		190	
253	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		203	
254	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		156	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
255	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		170	
256	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		198	
257	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		213	
258	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		152	
259	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		187	
260	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		210	

TABLE 1-continued

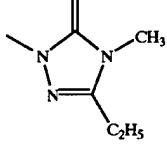
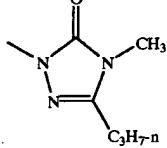
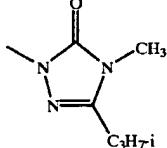
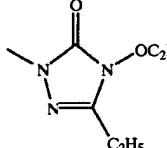
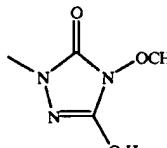
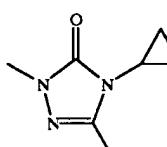
<u>Examples of the compounds of the formula (I)</u>						
					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
261	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		172
262	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		145
263	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		136
264	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		153
265	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		136
266	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		210

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)		
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>		Melting point (° C.)
267	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>			147
268	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>			169
269	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>			215
270	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>			138
271	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>			182
272	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>			112

TABLE 1-continued

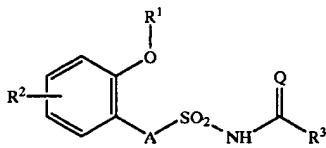
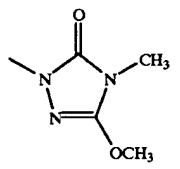
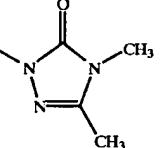
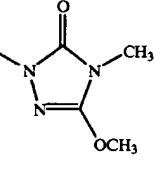
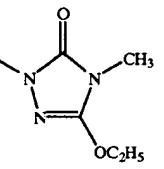
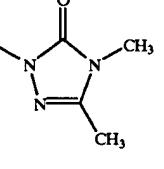
<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
273	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		167
274	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		152
275	—	S	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		119
276	—	S	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		157
277	—	S	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		154
278	—	S	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		137

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
279	—	S	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		167
280	—	S	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		137
281	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		154
282	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		160
283	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		139
284	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		134

TABLE 1-continued

Examples of the compounds of the formula (I)					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
285	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		142
286	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		120
287	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		130
288	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		127
289	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		116
290	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		126

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
291	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		113
292	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		151
293	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		157
294	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		171
295	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		137
296	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		125

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
297	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		109
298	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		138
299	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		130
300	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		165
301	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		148
302	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		147

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
303	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		172
304	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		147
305	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		136
306	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		124
307	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		98
308	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		125

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
309	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		179	
310	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		153	
311	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		171	
312	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		113	
313	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		138	
314	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		110	

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
315	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		134
316	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		167
317	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		120
318	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		117
319	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		160
320	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		154

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

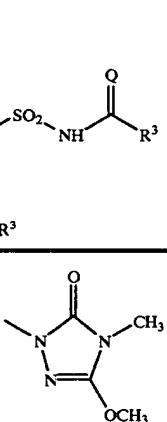
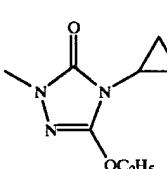
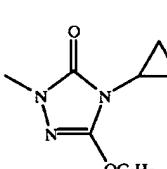
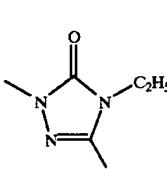
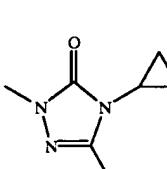
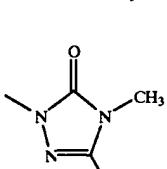
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
321	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		159
322	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		141
323	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		146
324	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		134
325	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>		168
326	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7-n</sub>		158

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
327	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		172	
328	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		147	
329	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		66	
330	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		134	
331	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		149	
332	—	O	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		114	
333	—	O	H	(6-)Cl		102	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
334	—	O	H	(6-)Cl		143	
335	—	O		(6-)Cl		130	
336	—	O		(6-)Cl		143	
337	—	O		(6-)Cl		99	
338	—	O		(6-)Cl		161	
339	—	O		(6-)CH <sub>3</sub>		133	

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
340	—	O	H	(6-)CH <sub>3</sub>		100
341	—	O	H	(6-)CH <sub>3</sub>		147
342	—	O	—CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		157
343	—	O	—CH <sub>2</sub> COOC <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		150
344	—	O	—CH <sub>2</sub> C≡CH	(6-)CH <sub>3</sub>		172
345	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		263 (Na salt)

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
346	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		136	
347	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		113	
348	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		175	
349	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		135	
350	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		78	
351	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		125	

TABLE 1-continued

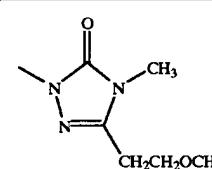
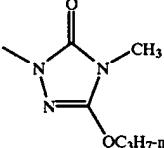
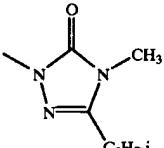
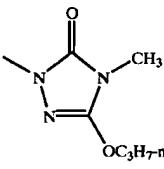
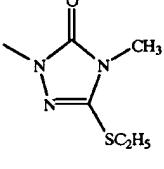
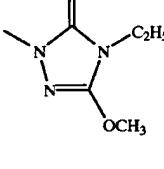
<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
352	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		140
353	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		161
354	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		142
355	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		124
356	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		153
357	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		170

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(I)		Melting point (° C.)
				(position-) R <sup>2</sup>	R <sup>3</sup>	
358	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		116
359	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		120
360	—	O	CH <sub>3</sub>	(5-)Cl		172
361	—	O	CH <sub>3</sub>	(5-)Cl		175
362	—	O	CH <sub>3</sub>	(5-)Cl		192
363	—	O	CH <sub>3</sub>	(5-)Cl		195

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
364	—	O	CH <sub>3</sub>	(5-)Cl		174
365	—	O	CH <sub>3</sub>	(5-)Cl		160
366	—	O	CH <sub>3</sub>	(5-)Cl		214
367	—	O	CH <sub>3</sub>	(5-)Cl		185
368	—	O	CH <sub>3</sub>	(5-)Cl		191
369	NH	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		161

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
370	NH	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		132
371	NH	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		151
372	NH	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		161
373	NH	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		128
374	NH	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		140
375	—	S	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		108

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)	
376	—	O	CHF <sub>2</sub>	(4-)CH <sub>3</sub>		131	
377	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		187	
378	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>		154	
379	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		179	
380	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		178	
381	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		167	

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					
Ex. No.	A	Q	R <sup>1</sup>	(I)	
			(position-) R <sup>2</sup>	R <sup>3</sup>	
382	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	135
383	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	146
384	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	174
385	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	130
386	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	195
387	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	183

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
388	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		135
389	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		149
390	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		193
391	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		125
392	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		182
393	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		120

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
394	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		158	
395	—	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		180	
396	—	O	n-C <sub>4</sub> H <sub>9</sub>	(6-)CH <sub>3</sub>		132	
397	—	O	n-C <sub>4</sub> H <sub>9</sub>	(6-)CH <sub>3</sub>		143	
398	—	O	n-C <sub>4</sub> H <sub>9</sub>	(6-)CH <sub>3</sub>		106	
399	—	O	n-C <sub>4</sub> H <sub>9</sub>	(6-)CH <sub>3</sub>		98	

TABLE 1-continued

Examples of the compounds of the formula (I)

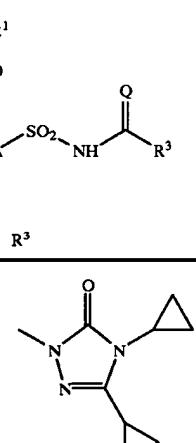
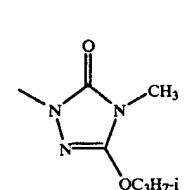
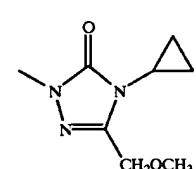
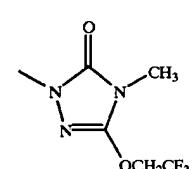
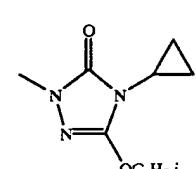
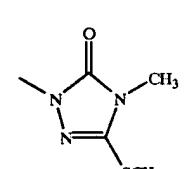
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)
						Melting point (° C.)
400	—	O	n-C <sub>4</sub> H <sub>9</sub>	(6-)CH <sub>3</sub>		140
401	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		147
402	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		123
403	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		185
404	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		154
405	NH	O	i-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>		150

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
406	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		135
407	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		134
408	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		178
409	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)C <sub>2</sub> H <sub>5</sub>		109
410	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)C <sub>2</sub> H <sub>5</sub>		125
411	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)C <sub>2</sub> H <sub>5</sub>		161

TABLE 1-continued

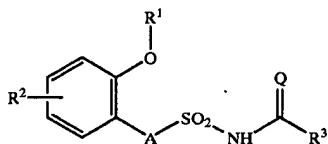
Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
412	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)C <sub>2</sub> H <sub>5</sub>		114
413	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)C <sub>2</sub> H <sub>5</sub>		142
414	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)C <sub>2</sub> H <sub>5</sub>		124
415	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		175 (Na salt)
416	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		126
417	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		121

TABLE 1-continued

#### Examples of the compounds of the formula (I)



Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
418	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		109
419	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		145
420	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		126
421	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		130
422	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		155
423	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n		133

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

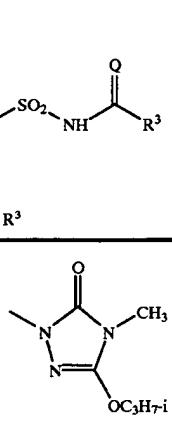
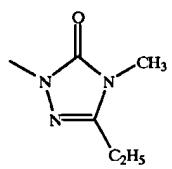
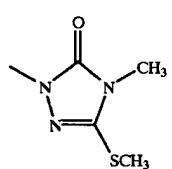
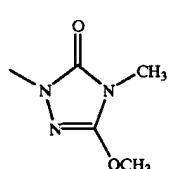
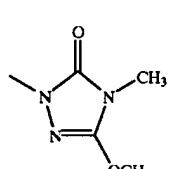
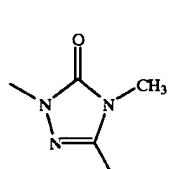
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
424	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7-n</sub>		145
425	—	O	—SO <sub>2</sub> CH <sub>3</sub>	(6-)CH <sub>3</sub>		95
426	—	O	—SO <sub>2</sub> CH <sub>3</sub>	(6-)CH <sub>3</sub>		153
427	—	O	C <sub>4</sub> H <sub>9-n</sub>	(6-)CH <sub>3</sub>		154
428	—	O	—CH <sub>2</sub> C≡CH	(6-)CH <sub>3</sub>		167
429	—	O	—CH <sub>2</sub> C≡CH	(6-)CH <sub>3</sub>		170

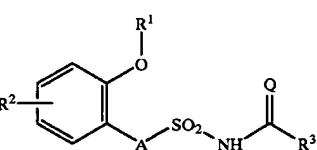
TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
430	—	O	—CH <sub>2</sub> C≡CH	(6-)CH <sub>3</sub>		153	
431	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)CH <sub>3</sub>		123	
432	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)CH <sub>3</sub>		145	
433	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)CH <sub>3</sub>		143	
434	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		138	
435	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		161	

TABLE 1-continued

### Examples of the compounds of the formula (I)



①

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
436	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		128
437	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		177
438	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		165
439	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		157
440	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		168
441	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		164

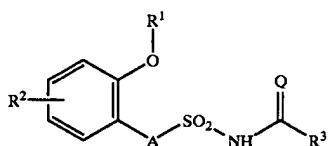
TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)	
Ex.	No.	A	Q	R <sup>1</sup>	(position-)R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
442	—	O	CH <sub>3</sub>		(6-)CH <sub>3</sub>		125
443	—	O	CH <sub>3</sub>		(6-)CH <sub>3</sub>		162
444	—	O	CH <sub>3</sub>		(6-)OCH <sub>3</sub>		154
445	—	S	CH <sub>3</sub>		(4-)C <sub>3</sub> H <sub>7</sub> -i		116
446	—	S	CH <sub>3</sub>		(4-)C <sub>3</sub> H <sub>7</sub> -i		110
447	—	S	CH <sub>3</sub>		(4-)C <sub>3</sub> H <sub>7</sub> -i		134

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)



Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
448	—	O	CH <sub>3</sub>	(4-)C <sub>3</sub> H <sub>7</sub> -i		152
449	—	O	CH <sub>3</sub>	(4-)C <sub>3</sub> H <sub>7</sub> -i		159
450	—	O	CH <sub>3</sub>	(4-)C <sub>3</sub> H <sub>7</sub> -i		150
451	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		107
452	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		104

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)		
Ex.	No.	A	Q	R <sup>1</sup>	(position-)R <sup>2</sup>	R <sup>3</sup>		Melting point (° C.)
453	—	O	C <sub>2</sub> H <sub>5</sub>		(6-)OCH <sub>3</sub>			100
454	—	S	C <sub>2</sub> H <sub>5</sub>		(6-)OCH <sub>3</sub>			103
455	—	S	C <sub>2</sub> H <sub>5</sub>		(6-)OCH <sub>3</sub>			95
456	—	S	C <sub>2</sub> H <sub>5</sub>		(6-)OCH <sub>3</sub>			105
457	—	O	C <sub>2</sub> H <sub>5</sub>		(6-)OC <sub>2</sub> H <sub>5</sub>			130

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
458	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		100
459	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		114
460	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		125
461	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		143
462	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		120
463	—	O	—CF <sub>2</sub> CHFCI	(6-)CH <sub>3</sub>		124

TABLE 1-continued

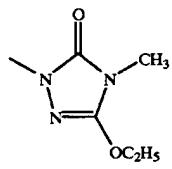
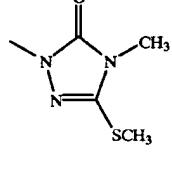
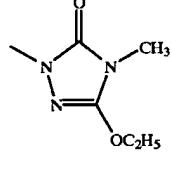
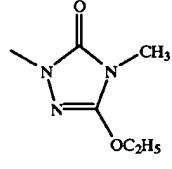
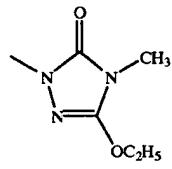
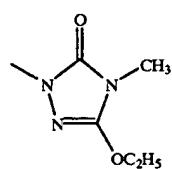
<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
464	—	O	—CF <sub>2</sub> CHFCI	(6-)CH <sub>3</sub>		115
465	—	O	—CF <sub>2</sub> CHFCI	(6-)CH <sub>3</sub>		150
466	—	O	CH <sub>3</sub>	(3-)CH <sub>3</sub>		178
467	—	O	CH <sub>3</sub>	(3-)Cl		188
468	—	O	C <sub>2</sub> H <sub>5</sub>	(3-)Cl		159
469	—	O	CH <sub>3</sub>	(3-)F		176

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
470	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		124	
471	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		34	
472	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		68	
473	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>		41	
474	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>		127	
475	—	O	H	(6-)CF <sub>3</sub>		125	

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					
				(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>
476	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	 214 (Na salt)
477	NH	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	 128
478	NH	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	 148
479	NH	O	C <sub>3</sub> H <sub>7</sub> n	(6-)CH <sub>3</sub>	 127
480	NH	O	C <sub>3</sub> H <sub>7</sub> n	(6-)CH <sub>3</sub>	 57
481	NH	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	 125

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)		
						Melting point (° C.)		
482	NH	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)CH <sub>3</sub>			115	
483	NH	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)CH <sub>3</sub>			151	
484	NH	O	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>			132	
485	NH	O	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>			106	
486	NH	O	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>			163	
487	NH	O	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>			137	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
488	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		166	
489	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		169	
490	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		130	
491	NH	O		(6-)CH <sub>3</sub>		148	
492	NH	O		(6-)CH <sub>3</sub>		138	
493	NH	O		(6-)CH <sub>3</sub>		147	

TABLE 1-continued

Examples of the compounds of the formula (I)

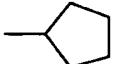
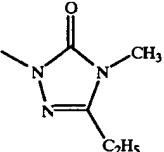
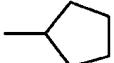
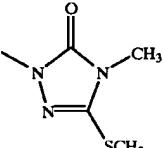
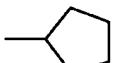
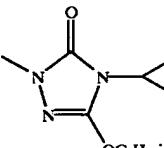
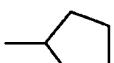
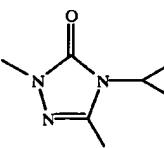
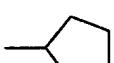
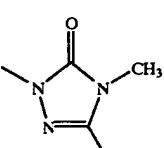
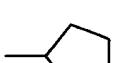
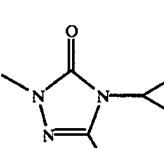
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
494	—	O		(6-)CH <sub>3</sub>		124	
495	—	O		(6-)CH <sub>3</sub>		152	
496	—	O		(6-)CH <sub>3</sub>		141	
497	—	O		(6-)CH <sub>3</sub>		127	
498	—	O		(6-)CH <sub>3</sub>		144	
499	—	O		(6-)CH <sub>3</sub>		107	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
500	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)CH <sub>3</sub>		265 (Na salt)
501	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		269 (Na salt)
502	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		237 (Na salt)
503	—	O		(6-)CH <sub>3</sub>		73
504	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		220 (Na salt)
505	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		140

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

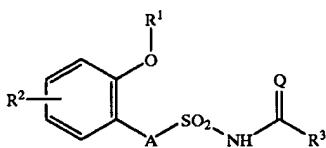
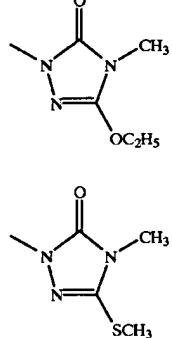
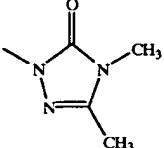
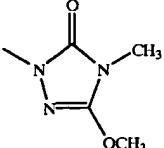
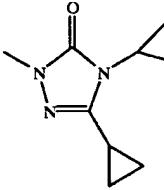
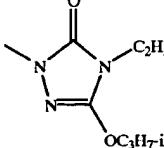
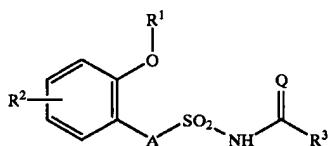
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
506	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		120
507	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		117
508	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		128
509	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		232
510	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		268
511	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		130

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)



Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
512	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		137
513	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		145
514	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		164
515	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		89
516	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		86
517	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		98

TABLE 1-continued

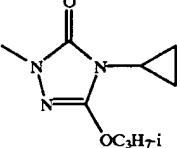
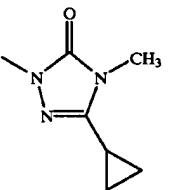
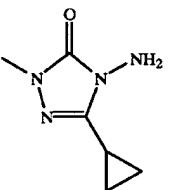
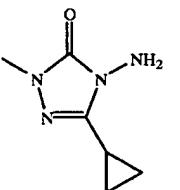
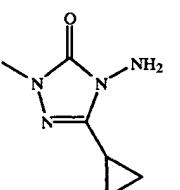
<u>Examples of the compounds of the formula (I)</u>						(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)	
518	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		122	
519	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		135	
520	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		142	
521	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		157	
522	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)CH <sub>3</sub>		126	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-)R <sup>2</sup>		Melting point (° C.)	(I)
				R <sup>2</sup>	R <sup>3</sup>		
523	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)CH <sub>3</sub>		140	
524	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		164	
525	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		166	
526	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)CH <sub>3</sub>		145	
527	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		239 (Na salt)	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
528	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)CH <sub>3</sub>		206 (Na salt)	
529	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		211 (Na salt)	
530	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		166	
531	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		178	
532	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)C <sub>3</sub> H <sub>7</sub> -i		131	
533	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)C <sub>3</sub> H <sub>7</sub> -i		130	

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
534	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)C <sub>3</sub> H <sub>7</sub> -i		133
535	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)C <sub>3</sub> H <sub>7</sub> -i		116
536	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		192
537	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		200
538	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		200
539	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		105

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
540	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		154
541	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		152
542	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)C <sub>3</sub> H <sub>7</sub> -i		132
543	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)C <sub>3</sub> H <sub>7</sub> -i		129
544	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)C <sub>3</sub> H <sub>7</sub> -i		179
545	—	O	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		174 (Na salt)

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
546	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)C <sub>3</sub> H <sub>7</sub> -i		158 (Na salt)	
547	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		200	
548	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		147	
549	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		149	
550	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		136	
551	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -i		134	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
552	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)C <sub>3</sub> H <sub>7</sub> -i		175	
553	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)C <sub>3</sub> H <sub>7</sub> -i		147	
554	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)C <sub>3</sub> H <sub>7</sub> -i		167	
555	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)C <sub>3</sub> H <sub>7</sub> -i		173	
556	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		188	
557	NH	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		181	

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						
				(I)		
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
558	NH	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		136
559	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>		241 (Na salt)
560	NH	O	C <sub>3</sub> H <sub>7</sub> n	(6-)CH <sub>3</sub>		129
561	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		94
562	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		80
563	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		68

TABLE 1-continued

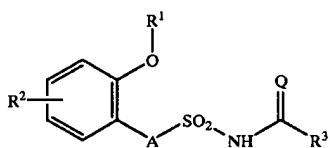
Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
564	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		91	
565	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		123	
566	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		104	
567	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		90	
568	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		107	
569	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		70	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)



Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
570	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		132
571	—	S	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		150
572	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		127
573	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		110
574	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		130
575	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		135

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (°C.)
576	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		199 (Na salt)
577	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		173
578	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		168
579	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		125
580	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		140
581	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		115

TABLE 1-continued

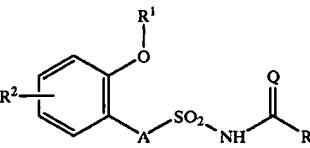
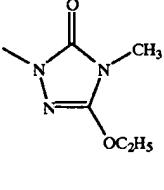
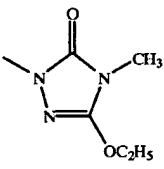
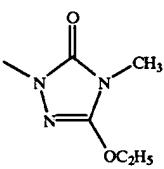
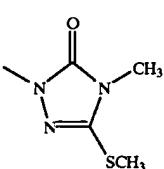
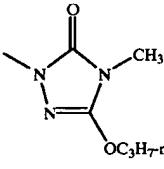
<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
582	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		111
583	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		138
584	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		127
585	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		142
586	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		143
587	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		104

TABLE 1-continued

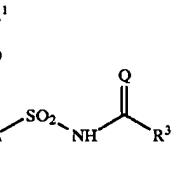
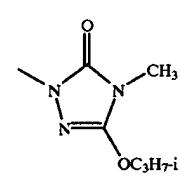
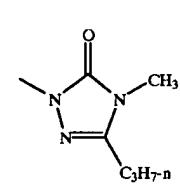
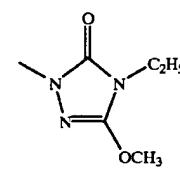
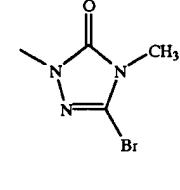
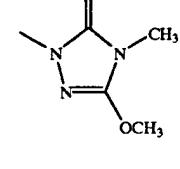
<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
588	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		118
589	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		70
590	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		110
591	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		156
592	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		140
593	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		148

TABLE 1-continued

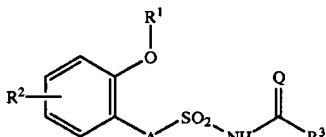
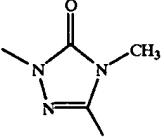
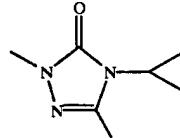
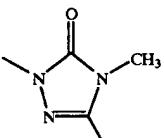
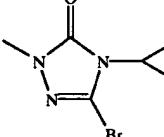
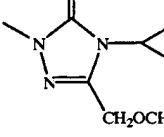
<u>Examples of the compounds of the formula (I)</u>					
Ex. No.	A	Q	R <sup>1</sup>	(I)	
			(position-) R <sup>2</sup>	R <sup>3</sup>	
594	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>	145
					
595	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>	120
					
596	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>	100
					
597	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>	130
					
598	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>	103
					
599	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>	104
					

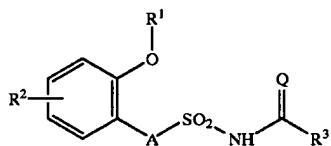
TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
600	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		185
601	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		100
602	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		138
603	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		106
604	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		112
605	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		140

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)



Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
606	—	O	$\text{C}_3\text{H}_7\text{n}$	(6-)OCH <sub>3</sub>		160
607	—	O	$\text{C}_3\text{H}_7\text{n}$	(6-)OCH <sub>3</sub>		180
608	—	O	$\text{C}_3\text{H}_7\text{n}$	(6-)OCH <sub>3</sub>		142
609	—	O	$\text{C}_3\text{H}_7\text{n}$	(6-)OCH <sub>3</sub>		158
610	—	O	$\text{C}_3\text{H}_7\text{n}$	(6-)OCH <sub>3</sub>		134
611	—	O	$\text{C}_3\text{H}_7\text{i}$	(6-)OCH <sub>3</sub>		140

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
612	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		142
613	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		148
614	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		146
615	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		104
616	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		123
617	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>3</sub> H <sub>7</sub> n		123

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
618	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		82
619	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		81
620	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		88
621	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		145
622	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		147
623	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		205

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
624	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		202	
625	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		152	
626	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		168	
627	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)C <sub>3</sub> H <sub>7</sub> -n		145	
628	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		158	
629	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		155	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
630	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		145	
631	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		111	
632	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		122	
633	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		171	
634	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		160	
635	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		142	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
636	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		106
637	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		106
638	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		159
639	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		148
640	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		126
641	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		111

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

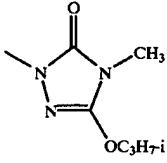
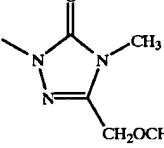
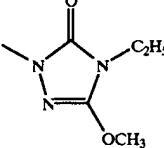
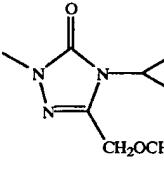
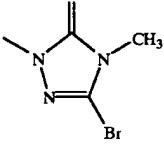
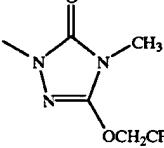
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
642	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		171
643	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		127
644	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		148
645	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		123
646	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		138
647	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		95

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
648	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		130
649	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		74
650	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		109
651	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		75
652	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		147
653	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		99

TABLE 1-continued

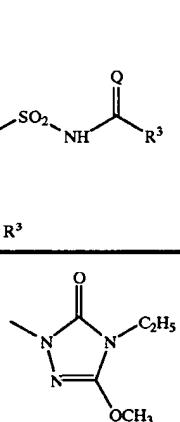
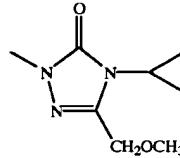
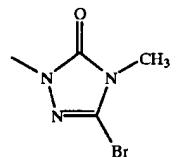
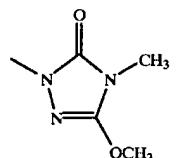
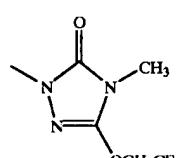
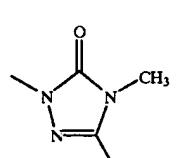
<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
654	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		102
655	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		98
656	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		138
657	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		127
658	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		160
659	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		115

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
660	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		108
661	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		154
662	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		144
663	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		124
664	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		138
665	—	O	C <sub>4</sub> H <sub>9</sub> n	(6-)OCH <sub>3</sub>		130

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
666	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		132
667	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		100
668	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		108
669	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		130
670	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		133
671	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		125

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						
					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
672	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		108
673	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		110
674	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		144
675	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		116
676	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		139
677	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		174

TABLE 1-continued

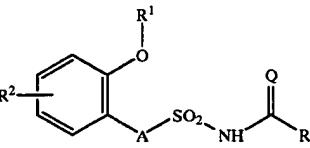
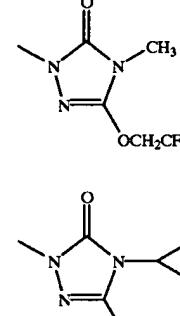
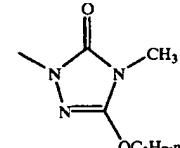
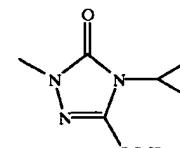
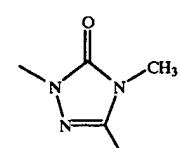
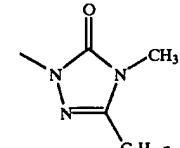
<u>Examples of the compounds of the formula (I)</u>						
					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
678	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		149
679	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		104
680	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		98
681	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		112
682	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		100
683	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		92

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
684	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		115
685	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		99
686	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		102
687	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		106
688	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		120
689	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		98

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
690	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		138
691	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OC <sub>2</sub> H <sub>5</sub>		118
692	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		138
693	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		94
694	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		94
695	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		65

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
696	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		60
697	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		104
698	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		104
699	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		137
700	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		70
701	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		110

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
702	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		102
703	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		137
704	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OCH <sub>3</sub>		160
705	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		94
706	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		155
707	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		130

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
708	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		142
709	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		85
710	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		106
711	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		87
712	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		120
713	—	S	C <sub>4</sub> H <sub>9</sub> n	(6-)OCH <sub>3</sub>		143

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
714	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		152	
715	—	S	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		112	
716	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		130	
717	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		165	
718	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		161	
719	—	S	C <sub>4</sub> H <sub>9</sub> n	(6-)OCH <sub>3</sub>		111	

TABLE 1-continued

Examples of the compounds of the formula (I)

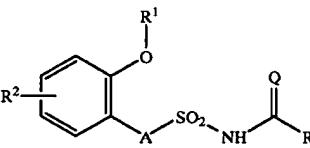
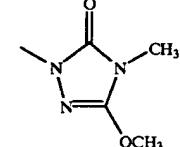
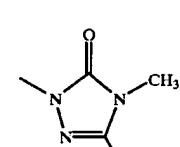
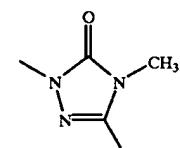
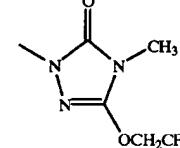
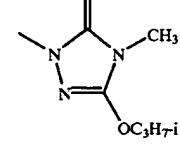
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
720	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		156	
721	—	S	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		137	
722	—	S	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		163	
723	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		113	
724	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		130	
725	—	S	C <sub>4</sub> H <sub>9</sub> n	(6-)OCH <sub>3</sub>		154	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
726	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		157
727	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		142
728	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		162
729	—	S	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		157
730	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		108
731	—	S	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		172

TABLE 1-continued

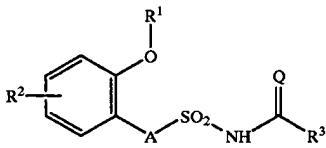
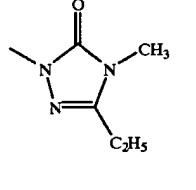
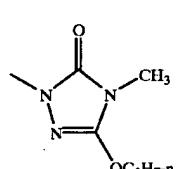
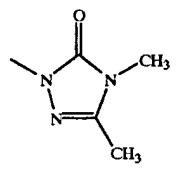
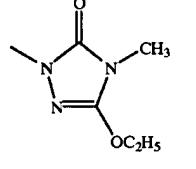
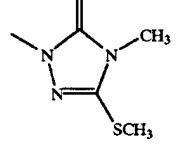
<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
732	—	S	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		147
733	—	S	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		160
734	—	S	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		103
735	—	O	C <sub>3</sub> H <sub>7-n</sub>	(6-)OC <sub>3</sub> H <sub>7-n</sub>		172
736	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		137
737	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		156

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

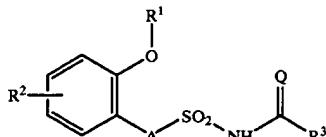
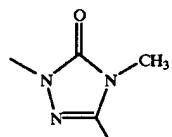
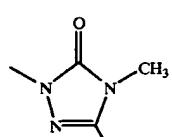
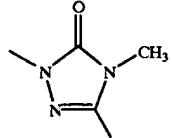
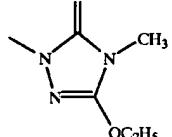
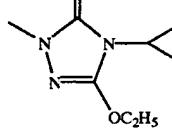
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
738	—	S	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		103
739	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		134
740	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		87
741	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		110
742	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		88
743	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		98

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)
						Melting point (° C.)
744	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		98
745	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		88
746	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		104
747	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		75
748	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		145
749	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		131

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
750	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		158	
751	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		132	
752	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		142	
753	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		130	
754	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		170	
755	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		152	

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
756	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		138
757	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		130
758	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		150
759	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		156
760	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		110
761	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		120

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
762	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		104
763	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)OCH <sub>3</sub>		105
764	—	S	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		120
765	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		135
766	—	S	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>3</sub> H <sub>7</sub> -n		116
767	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		110

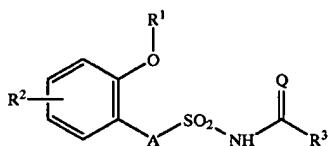
TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
768	—	S	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		95
769	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		112
770	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		70
771	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		132
772	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		75
773	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		118

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)



Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
774	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		85
775	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		130
776	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		120
777	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		124
778	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		130
779	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>		100

TABLE 1-continued

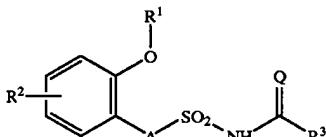
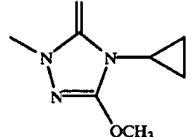
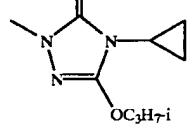
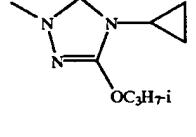
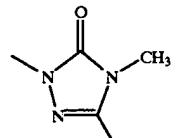
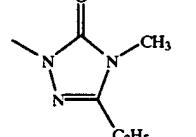
<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
780	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		172
781	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		164
782	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		118
783	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		88
784	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>		124
785	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>		100

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
786	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		106
787	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		108
788	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		105
789	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>		112
790	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		80
791	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>		130

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
792	—	O	C <sub>4</sub> H <sub>9-n</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		120
793	—	O	C <sub>4</sub> H <sub>9-n</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		95
794	—	O	C <sub>4</sub> H <sub>9-n</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		96
795	—	O	C <sub>4</sub> H <sub>9-s</sub>	(6-)OCH <sub>3</sub>		130
796	—	G	C <sub>4</sub> H <sub>9-s</sub>	(6-)OCH <sub>3</sub>		118
797	—	O	C <sub>4</sub> H <sub>9-s</sub>	(6-)OCH <sub>3</sub>		134

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)		
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>		Melting point (° C.)
798	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>			118
799	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>			90
800	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>			78
801	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>			112
802	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>			78
803	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>			80

TABLE 1-continued

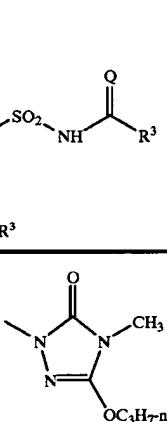
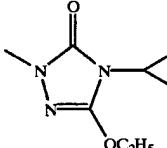
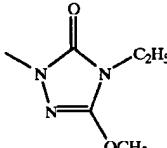
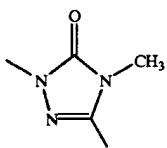
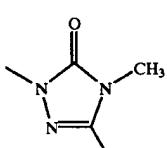
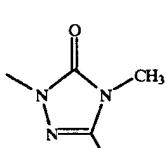
<u>Examples of the compounds of the formula (I)</u>					(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup> R <sup>3</sup>	
804	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n	55
					
805	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n	100
					
806	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n	92
					
807	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>	74
					
808	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>	143
					
809	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>	102
					

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
810	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OC <sub>2</sub> H <sub>5</sub>		95
811	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		82
812	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		92
813	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		90
814	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		124
815	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		85

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

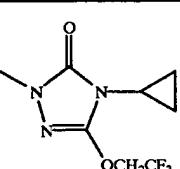
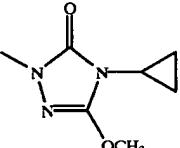
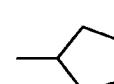
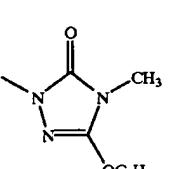
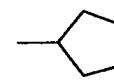
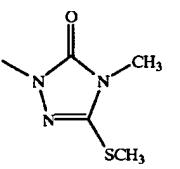
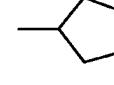
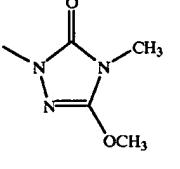
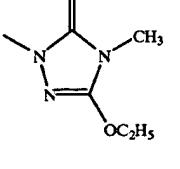
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
816	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>		90
817	—	O	C <sub>2</sub> H <sub>4</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		90
818	—	O		(6-)OCH <sub>3</sub>		165
819	—	O		(6-)OCH <sub>3</sub>		130
820	—	O		(6-)OCH <sub>3</sub>		149
821	—	O	C <sub>4</sub> H <sub>9</sub> -s	(6-)OC <sub>4</sub> H <sub>9</sub> -s		125

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

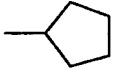
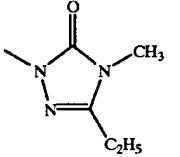
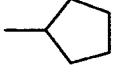
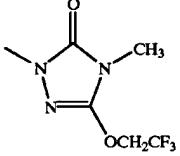
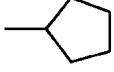
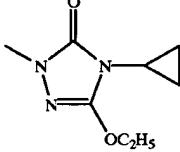
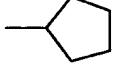
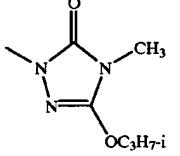
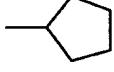
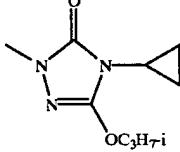
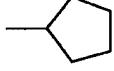
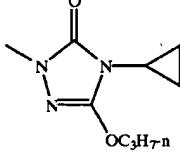
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
822	—	O		(6-)OCH <sub>3</sub>		112
823	—	O		(6-)OCH <sub>3</sub>		156
824	—	O		(6-)OCH <sub>3</sub>		148
825	—	O		(6-)OCH <sub>3</sub>		145
826	—	O		(6-)OCH <sub>3</sub>		156
827	—	O		(6-)OCH <sub>3</sub>		126

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

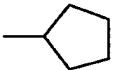
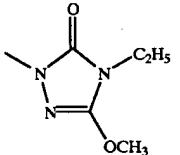
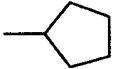
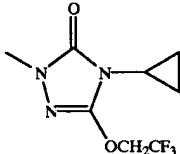
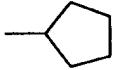
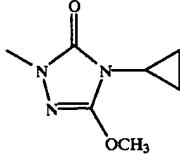
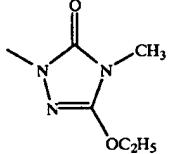
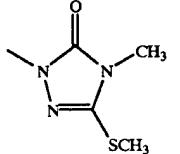
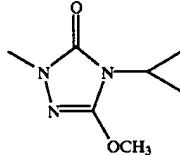
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
828	—	O		(6-)OCH <sub>3</sub>		134
829	—	O		(6-)OCH <sub>3</sub>		114
830	—	O		(6-)OCH <sub>3</sub>		141
831	—	O C <sub>4</sub> H <sub>9</sub> -i		(6-)OC <sub>2</sub> H <sub>5</sub>		125
832	—	O C <sub>4</sub> H <sub>9</sub> -i		(6-)OC <sub>2</sub> H <sub>5</sub>		128
833	—	O C <sub>4</sub> H <sub>9</sub> -i		(6-)OC <sub>2</sub> H <sub>5</sub>		106

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
834	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OC <sub>2</sub> H <sub>5</sub>		88
835	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OC <sub>2</sub> H <sub>5</sub>		112
836	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OC <sub>2</sub> H <sub>5</sub>		125
837	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OC <sub>2</sub> H <sub>5</sub>		106
838	—	O	H	(6-)OH		172
839	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		102

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
840	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		114
841	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		124
842	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		98
843	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		146
844	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		97
845	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		117

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
846	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		142
847	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>		109
848	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		138
849	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		135
850	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		155
851	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>		160

TABLE 1-continued

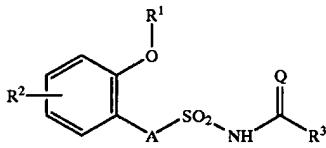
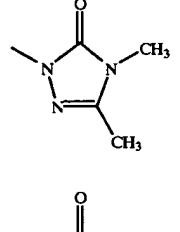
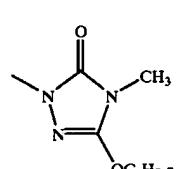
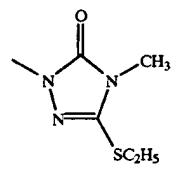
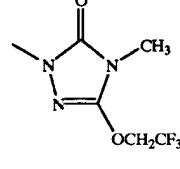
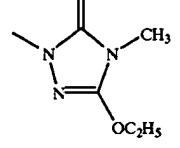
<u>Examples of the compounds of the formula (I)</u>						
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
852	—	S	C <sub>4</sub> H <sub>9</sub> -S	(6-)OCH <sub>3</sub>		108
853	—	S	C <sub>4</sub> H <sub>9</sub> -S	(6-)OCH <sub>3</sub>		143
854	—	S	C <sub>4</sub> H <sub>9</sub> -S	(6-)OCH <sub>3</sub>		105
855	—	S	C <sub>4</sub> H <sub>9</sub> -S	(6-)OCH <sub>3</sub>		65
856	—	S	C <sub>4</sub> H <sub>9</sub> -S	(6-)OCH <sub>3</sub>		114
857	—	O	C <sub>2</sub> H <sub>5</sub>	(3-)CH <sub>3</sub>		179

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					
Ex. No.	A	Q	R <sup>1</sup>	(I)	
			(position-) R <sup>2</sup>	R <sup>3</sup>	
858	—	S	C <sub>4</sub> H <sub>9</sub> -s	(6-)OCH <sub>3</sub>	146
859	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)OCH <sub>3</sub>	146
860	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>	132
861	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>	112
862	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>	100
863	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>	138

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>				
Ex. No.	A	Q	R <sup>1</sup>	(I)
			(position-) R <sup>2</sup>	R <sup>3</sup>
864	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>
				155
865	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>2</sub> H <sub>5</sub>
				140
866	—	S	C <sub>4</sub> H <sub>9</sub> -n	(6-)OCH <sub>3</sub>
				140
867	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>
				131
868	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>
				135
869	—	O	C <sub>4</sub> H <sub>9</sub> -i	(6-)OCH <sub>3</sub>
				137

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>						(I)
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
870	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>4</sub> H <sub>9</sub> -n		123
871	—	O	C <sub>4</sub> H <sub>9</sub> -n	(6-)OC <sub>2</sub> H <sub>5</sub>		118
872	—	O		(6-)OCH <sub>3</sub>		164
873	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OCH <sub>3</sub>		150
874	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		148
875	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		147

TABLE 1-continued

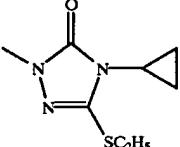
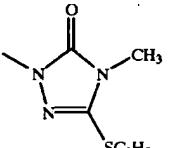
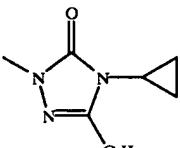
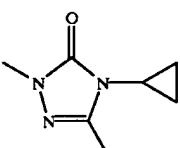
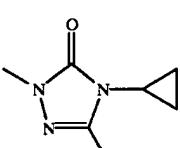
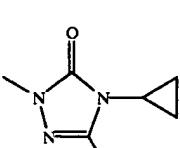
<u>Examples of the compounds of the formula (I)</u>						(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)	
876	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		108	
877	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		108	
878	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		148	
879	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		176	
880	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		144	
881	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		167	

TABLE 1-continued

Examples of the compounds of the formula (I)

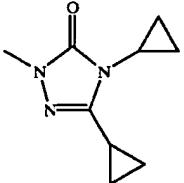
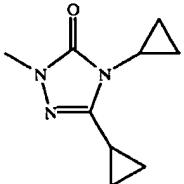
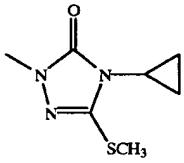
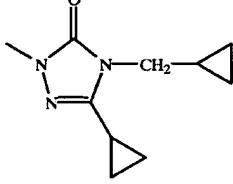
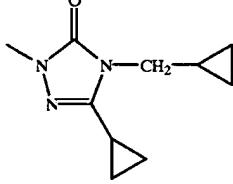
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
882	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		135	
883	—	O	C <sub>3</sub> H <sub>7</sub> n	(6-)OCH <sub>3</sub>		100	
884	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		158	
885	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OCH <sub>3</sub>		108	
886	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)OC <sub>3</sub> H <sub>7</sub> i		164	

TABLE 1-continued

<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	
887	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		157
888	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		113
889	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		132
890	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		92
891	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		141
892	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)OC <sub>3</sub> H <sub>7</sub> -i		159

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
893	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		139	
894	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>		150	
895	—	O	C <sub>3</sub> H <sub>7</sub> -n	(6-)OCH <sub>3</sub>		126	
896	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		148	
897	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		157	
898	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		125	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
899	NH	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		182	
900	NH	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		175	
901	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		198 (Na salt)	
902	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		129	
903	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		149	
904	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		163	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-)R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
905	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		121	
906	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		170	
907	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		125	
908	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		129	
909	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		156	
910	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		157	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
911	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		177	
912	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		172	
913	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		132	
914	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		153	
915	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		150	
916	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>		110	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

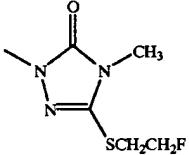
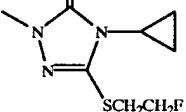
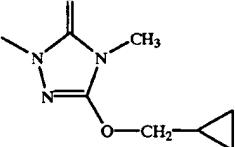
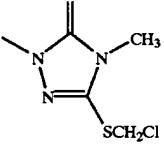
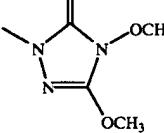
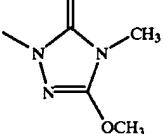
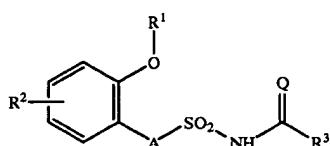
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
917	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		131
918	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		133
919	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		153
920	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		122
921	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		147
922	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		160

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)



Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
923	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		182
924	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		142
925	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		178
926	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		151
927	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		178
928	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		130

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
929	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		124	
930	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		153	
931	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		157	
932	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		114	
933	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		130	
934	—	O	C<sub>3</sub>H<sub>7</sub>i	(6-)CH <sub>3</sub>		151	

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
935	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>		153
936	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		167
937	—	O	CF <sub>2</sub> Cl	(6-)CH <sub>3</sub>		180 (Na salt)
938	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>		157 (Na salt)
939	NH	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>		163
940	NH	O	CH <sub>2</sub> CHF <sub>2</sub>	(6-)CH <sub>3</sub>		160

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
941	NH	O	CF <sub>2</sub> CHFCl	(6-)CH <sub>3</sub>		88	
942	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>		178	
943	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>		135	
944	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>		127	
945	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>		139	
946	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>		280 (Na salt)	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	(I)	
						Melting point (° C.)	
947	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>		171	
948	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>		144	
949	—	O	CH <sub>2</sub> CHF <sub>2</sub>	(6-)CH <sub>3</sub>		273 (Na salt)	
950	—	O	CH <sub>2</sub> CHF <sub>2</sub>	(6-)CH <sub>3</sub>		181	
951	—	O	CH <sub>2</sub> CHF <sub>2</sub>	(6-)CH <sub>3</sub>		142	
952	—	O	CH <sub>2</sub> CHF <sub>2</sub>	(6-)CH <sub>3</sub>		114	

TABLE 1-continued

Examples of the compounds of the formula (I)

Ex. No.	A	Q	R <sup>1</sup>	(I)		Melting point (° C.)
				(position-) R <sup>2</sup>	R <sup>3</sup>	
953	—	O	CH <sub>2</sub> CHF <sub>2</sub>	(6-)CH <sub>3</sub>		108
954	—	O	CH <sub>2</sub> CHF <sub>2</sub>	(6-)CH <sub>3</sub>		185
955	—	O	CH <sub>2</sub> CHF <sub>2</sub>	(6-)CH <sub>3</sub>		150
956	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>		143 (Na salt)
957	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		155
958	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		112

TABLE 1-continued

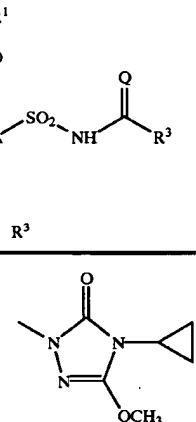
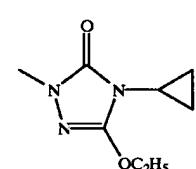
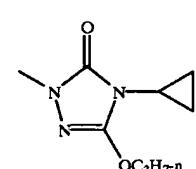
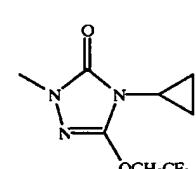
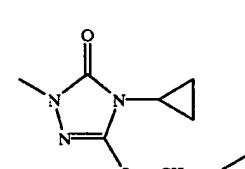
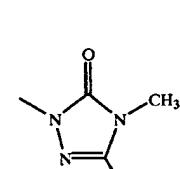
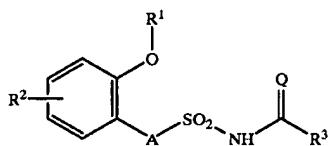
<u>Examples of the compounds of the formula (I)</u>					(I)	
Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
959	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		166
960	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		137
961	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		132
962	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		172
963	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		139
964	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>		130

TABLE 1-continued

Examples of the compounds of the formula (I)

(I)

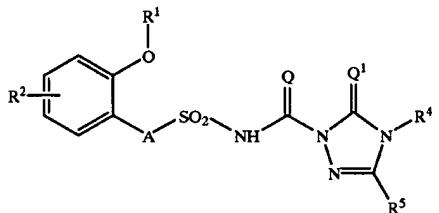


Ex. No.	A	Q	R <sup>1</sup>	(position-) R <sup>2</sup>	R <sup>3</sup>	Melting point (° C.)
965	—	O	C <sub>2</sub> H <sub>5</sub>	(3)-CH <sub>3</sub>		184

TABLE 1A

Examples of the compounds of the formula (IA)

(IA)

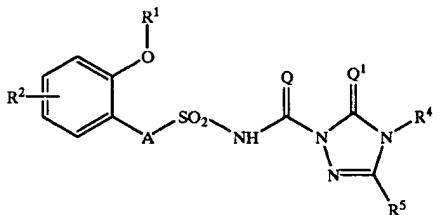


Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point ° C.
966	NH	O	C <sub>4</sub> H <sub>9</sub>	(6)-CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	121
967	NH	O	CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	(6)-CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	127
968	NH	O	CH <sub>2</sub> CF <sub>3</sub>	(6)-CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	164
969	NH	O	CH <sub>2</sub> CF <sub>3</sub>	(6)-CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	138
970	NH	O	CH <sub>2</sub> CF <sub>3</sub>	(6)-CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>4</sub> H <sub>7</sub>	123
971	NH	O	CH <sub>2</sub> CF <sub>3</sub>	(6)-CH <sub>3</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	141
972	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(3)-Cl	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	139
973	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(3)-CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	154
974	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6)-CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -s	
975	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6)-CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> -s	
976	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6)-CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub>	
977	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6)-CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> -i	
978	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6)-CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	
979	—	S	C <sub>3</sub> H <sub>7</sub>	(6)-CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)



Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point °C.
980	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	
981	—	3	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
982	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	
983	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub> i	
984	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub> i	
985	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
986	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
987	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>3</sub>	
988	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -s	
989	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -s	
990	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -s	
991	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> -s	
992	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> -s	
993	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub>	
994	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -t	
995	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	
996	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	
997	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	
998	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub>	
999	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub>	
1000	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> -i	
1001	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	
1002	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1003	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub> i	
1004	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	

TABLE 1A-continued

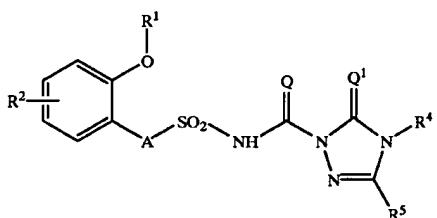
Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-)R <sup>2</sup>	(IA)			Melting point °C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1005	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		OC <sub>2</sub> H <sub>7</sub>	
1006	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		OC <sub>2</sub> H <sub>7</sub> i	
1007	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1008	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>7</sub>	
1009	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O			
1010	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1011	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	
1012	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	
1013	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	
1014	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1015	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	
1016	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	
1017	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	
1018	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	
1019	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1020	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1021	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>7</sub> i	
1022	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>7</sub>	
1023	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	
1024	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		C <sub>2</sub> H <sub>7</sub> i	
1025	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> i	
1026	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		C <sub>3</sub> H <sub>7</sub>	

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)



Ex. No.	A	Q	R¹	(Position-) R²	Q¹	R⁴	R⁵	Melting point ° C.
1027	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		C <sub>3</sub> H <sub>7</sub> -i	
1028	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>5</sub>	
1029	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>2</sub> H <sub>5</sub>	
1030	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>2</sub> H <sub>5</sub>	
1031	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>7</sub>	
1032	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>7</sub>	C <sub>2</sub> H <sub>7</sub>	
1033	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	N(CH <sub>3</sub> ) <sub>2</sub>	CH <sub>3</sub>	
1034	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	H	
1035	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> CH <sub>2</sub> O	
1036	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>		
1037	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>7</sub> -i	C <sub>2</sub> H <sub>7</sub>	
1038	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>7</sub> -i	
1039	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>7</sub>	C <sub>2</sub> H <sub>7</sub> -i	
1040	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>2</sub> H <sub>7</sub> -i	
1041	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>		
1042	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>		
1043	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i		
1044	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i		
1045	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i		
1046	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>2</sub> CHF <sub>2</sub>	
1047	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>2</sub> CHF <sub>2</sub>	
1048	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>11</sub>	
1049	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>11</sub>	
1050	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>11</sub>	
1051	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	O—CH—CH <sub>2</sub> —CH <sub>3</sub>	
1052	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -i	

TABLE 1A-continued

Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			Melting point ° C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1053	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub>	
1054	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		CH <sub>3</sub>	
1055	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		C <sub>2</sub> H <sub>5</sub>	
1056	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O			
1057	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	CH <sub>3</sub>	
1058	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i		
1059	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>2</sub> CHF <sub>2</sub>	
1060	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	
1061	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub> -i	
1062	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> OCH <sub>3</sub>	
1063	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	Br	
1064	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1065	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	OCH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	
1066	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		Br	
1067	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		CH <sub>2</sub> OCH <sub>3</sub>	
1068	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		CH <sub>2</sub> OCH <sub>3</sub>	
1069	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	
1070	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	
1071	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	
1072	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1073	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1074	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1075	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub> -i	
1076	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub> -i	

TABLE 1A-continued

Examples of the compounds of the formula (IA)

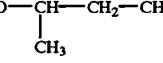
Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			Melting point °C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1077	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub> -i	
1078	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	
1079	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	
1080	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	
1081	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	
1082	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	
1083	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	
1084	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -t	
1085	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>4</sub> H <sub>9</sub> -s	
1086	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>		
1087	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>4</sub> H <sub>9</sub> -s	
1088	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>4</sub> H <sub>5</sub>	
1089	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>4</sub> H <sub>5</sub>	
1090	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>4</sub> H <sub>5</sub>	
1091	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>2</sub> CH=CH <sub>2</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1092	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>2</sub> CH=CH <sub>2</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1093	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>2</sub> CH=CH <sub>2</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1094	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> C <sub>6</sub> H <sub>5</sub>	
1095	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> C <sub>6</sub> H <sub>5</sub>	
1096	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> C <sub>6</sub> H <sub>5</sub>	
1097	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	N(CH <sub>3</sub> ) <sub>2</sub>	CH <sub>3</sub>	
1098	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	N(CH <sub>3</sub> ) <sub>2</sub>	CH <sub>3</sub>	
1099	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	N(CH <sub>3</sub> ) <sub>2</sub>	CH <sub>3</sub>	
1100	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	H	
1101	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> CH <sub>2</sub> OC <sub>3</sub> H <sub>7</sub> -i	
1102	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> CH <sub>2</sub> OC <sub>3</sub> H <sub>7</sub> -i	
1103	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>		
1104	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>		
1105	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>		
1106	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>2</sub> CHF <sub>2</sub>	

TABLE 1A-continued

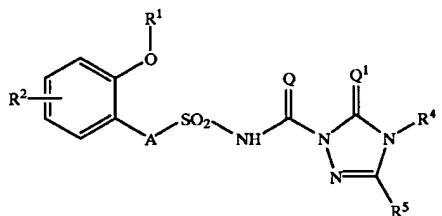
Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	(IA)	
								Melting point °C.	
1107	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>	O		OCH <sub>3</sub>		
1108	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub> -i		
1109	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub> -i		
1110	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>		
1111	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>		
1112	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -i		
1113	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -i		
1114	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -i		
1115	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub>		
1116	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub>		
1117	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub>		
1118	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		CH <sub>3</sub>		
1119	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		CH <sub>3</sub>		
1120	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		CH <sub>3</sub>		
1121	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		C <sub>2</sub> H <sub>5</sub>		

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)

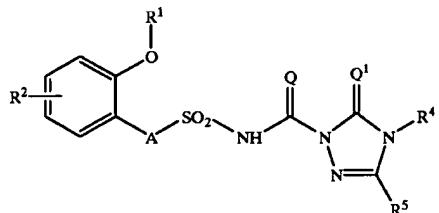


Ex. No.	A	Q	R <sup>1</sup>	(Position-)R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point ° C.
1122	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O			
1123	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O			C <sub>2</sub> H <sub>5</sub>
1124	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O			
1125	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O			
1126	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O			
1127	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>		
1128	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>		
1129	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>		
1130	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	CH <sub>3</sub>	
1131	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	CH <sub>3</sub>	
1132	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	CH <sub>3</sub>	
1133	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O			C <sub>3</sub> H <sub>7</sub>
1134	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O			C <sub>3</sub> H <sub>7</sub>
1135	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O			C <sub>3</sub> H <sub>7</sub>
1136	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O			C <sub>3</sub> H <sub>7</sub> -i
1137	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O			C <sub>3</sub> H <sub>7</sub> -i

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)

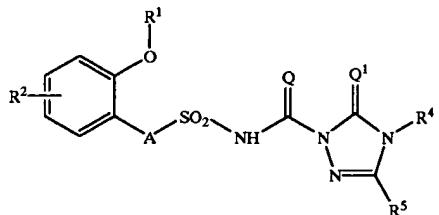


Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point ° C.
1138	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>	O			
1139	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>5</sub>	
1140	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>5</sub>	
1141	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>5</sub>	
1142	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>2</sub> H <sub>5</sub>	
1143	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>2</sub> H <sub>5</sub>	
1144	—	O	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>2</sub> H <sub>5</sub>	
1145	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O			
1146	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O			
1147	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>	O			
1148	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1149	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1150	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1151	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
1152	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
1153	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
1154	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O			
1155	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O			
1156	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>	O			
1157	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1158	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1159	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1160	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)



Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point °C.
1161	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	
1162	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	
1163	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>3</sub> H <sub>7</sub>	
1164	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>3</sub> H <sub>7</sub>	
1165	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>3</sub> H <sub>7</sub>	
1166	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>3</sub> H <sub>7</sub> -i	
1167	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>3</sub> H <sub>7</sub> -i	
1168	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>3</sub> H <sub>7</sub> -i	
1169	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>3</sub> H <sub>7</sub> -i	
1170	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>3</sub> H <sub>7</sub> -i	
1171	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>3</sub> H <sub>7</sub> -i	
1172	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>3</sub> H <sub>7</sub> -i	
1173	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>3</sub> H <sub>7</sub> -i	
1174	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>3</sub> H <sub>7</sub> -i	
1175	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>2</sub> H <sub>5</sub>	
1176	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>2</sub> H <sub>5</sub>	
1177	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub> -i	C <sub>2</sub> H <sub>5</sub>	
1178	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>3</sub> H <sub>7</sub>	
1179	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>3</sub> H <sub>7</sub>	
1180	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>2</sub> H <sub>5</sub>	C <sub>3</sub> H <sub>7</sub>	
1181	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>3</sub> H <sub>7</sub>	
1182	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>3</sub> H <sub>7</sub>	
1183	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	C <sub>3</sub> H <sub>7</sub>	C <sub>3</sub> H <sub>7</sub>	
1184	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> -t	
1185	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> -t	
1186	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub> -t	
1187	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -t	
1188	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub> -t	
1189	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O			
1190	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O			
1191	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O			
1192	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>6</sub> H <sub>11</sub>	
1193	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1194	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	

TABLE 1A-continued

Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			Melting point ° C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1195	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	
1196	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	
1197	—	S	C <sub>3</sub> H <sub>7</sub> -i	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	
1198	—	S	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	
1199	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	
1200	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	
1201	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		H	
1202	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		H	
1203	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		H	
1204	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		H	
1205	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1206	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1207	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1208	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>2</sub> CH=CH <sub>2</sub>	OC <sub>3</sub> H <sub>7</sub>	
1209	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>2</sub> CH=CH <sub>2</sub>	OC <sub>3</sub> H <sub>7</sub>	
1210	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> C <sub>4</sub> H <sub>9</sub> -t	
1211	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> C <sub>4</sub> H <sub>9</sub> -t	
1212	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> C <sub>4</sub> H <sub>9</sub> -t	
1213	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> C <sub>4</sub> H <sub>9</sub> -t	
1214	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CCl <sub>3</sub>	
1215	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CCl <sub>3</sub>	
1216	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CCl <sub>3</sub>	
1217	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CCl <sub>3</sub>	
1218	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		CH=CHCH <sub>3</sub>	
1219	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O		CH=CHCH <sub>3</sub>	

TABLE 1A-continued

Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			Melting point ° C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1220	—	O	CH <sub>3</sub>	(4-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	
1221	—	O	CH <sub>3</sub>	(4-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1222	—	O	CH <sub>3</sub>	(4-)CH <sub>3</sub>	O			OC <sub>2</sub> H <sub>5</sub>
1223	—	O	CH <sub>3</sub>	(4-)CH <sub>3</sub>	O			OC <sub>3</sub> H <sub>7</sub>
1224	—	O	CH <sub>3</sub>	(4-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
1225	—	O	CH <sub>3</sub>	(4-)CH <sub>3</sub>	O			OCH <sub>3</sub>
1226	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> C <sub>6</sub> H <sub>5</sub>	
1227	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O			CH=CHCH <sub>3</sub>
1228	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> CH <sub>2</sub> OCH <sub>3</sub>	
1229	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> CH <sub>2</sub> OCH <sub>3</sub>	
1230	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CF <sub>3</sub>	O			CH=CHCH <sub>3</sub>
1231	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CF <sub>3</sub>	O			CH=CHCH <sub>3</sub>
1232	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> CH <sub>2</sub> OCH <sub>3</sub>	
1233	—	O	C <sub>3</sub> H <sub>7</sub> -i	(6-)CF <sub>3</sub>	O			CH=CHCH <sub>3</sub>
1234	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O			OC <sub>3</sub> H <sub>7</sub> -i
1235	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1236	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
1237	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O			OCH <sub>3</sub>
1238	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O			OC <sub>3</sub> H <sub>7</sub> -i
1239	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1240	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	

TABLE 1A-continued

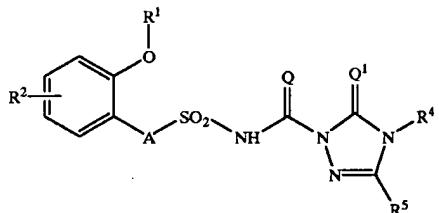
Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			Melting point ° C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1241	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>3</sub>	
1242	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	
1243	—	S	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O			
1244	—	S	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O			
1245	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O			
1246	—	S	C <sub>3</sub> H <sub>7</sub> i	(6-)CH <sub>3</sub>	O			
1247	—	O	CH <sub>3</sub>	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1248	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CF <sub>3</sub>	O		OCH <sub>3</sub>	
1249	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CF <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1250	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CF <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1251	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	
1252	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub> i	
1253	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	
1254	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CF <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub> i	
1255	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CF <sub>3</sub>	O			
1256	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>2</sub> OCH <sub>3</sub>	124
1257	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	156
1258	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		SC≡CH	147
1259	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	113
1260	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	125
1261	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		Br	154

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)



Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point °C.
1262	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	>250
1263	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	200
1264	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>2</sub> H <sub>5</sub>	178
1265	—	O	CH <sub>3</sub>	(6-)Br	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	228
1266	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	
1267	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
1268	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	
1269	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
1270	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> OCH <sub>3</sub>	
1271	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1272	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> OCH <sub>3</sub>	
1273	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	
1274	—	O	CF <sub>3</sub>	(6-)Br	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1275	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	
1276	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>2</sub> H <sub>5</sub>	
1277	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>2</sub> OCH <sub>3</sub>	
1278	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	
1279	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	OC <sub>2</sub> H <sub>5</sub>		
1280	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>2</sub> OCH <sub>3</sub>	
1281	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)Br	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1282	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	
1283	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)F	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	165
1284	—	O	CH <sub>3</sub>	(6-)F	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	211
1285	—	O	CH <sub>3</sub>	(6-)CN	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	255
1286	—	O	CH <sub>3</sub>	(6-)CN	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1287	—	O	CH <sub>3</sub>	(6-)CN	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	162
1288	—	O	CH <sub>3</sub>	(6-)CN	O	CH <sub>3</sub>	SCH <sub>3</sub>	268
1289	—	O	CH <sub>3</sub>	(6-)CN	O	CH <sub>3</sub>	OCH <sub>3</sub>	242
1290	—	O	CH <sub>3</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	183
1291	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	283
1292	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	227
1293	—	O	CH <sub>3</sub>	(6-)F	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1294	—	O	CH <sub>3</sub>	(6-)F	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	156
1295	—	O	CH <sub>3</sub>	(6-)F	O	CH <sub>3</sub>	SCH <sub>3</sub>	179
1296	—	O	CH <sub>3</sub>	(6-)F	O	CH <sub>3</sub>	CH <sub>3</sub>	217
1297	—	O	CH <sub>3</sub>	(6-)F	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	147
1298	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)F	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	165
1299	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)F	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	113
1300	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)F	O	CH <sub>3</sub>	OCH <sub>3</sub>	149

TABLE 1A-continued

Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-)R <sup>2</sup>	(IA)			
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1301	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)F	O		CH <sub>3</sub>	147
1302	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)F	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	127
1303	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)F	O CH <sub>3</sub>		OC <sub>2</sub> H <sub>5</sub>	139
1304	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)F	O CH <sub>3</sub>		C <sub>2</sub> H <sub>5</sub>	116
1305	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)F	O CH <sub>3</sub>		OCH <sub>3</sub>	129
1306	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)F	O		CH <sub>3</sub>	120
1307	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)F	O CH <sub>3</sub>		OC <sub>2</sub> H <sub>5</sub>	>160
1308	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O CH <sub>3</sub>		OC <sub>4</sub> H <sub>9</sub>	114
1309	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		OC <sub>4</sub> H <sub>9</sub>	126
1310	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O CH <sub>3</sub>		OCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	144
1311	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	145
1312	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	133
1313	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>3</sub>	181
1314	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O CH <sub>3</sub>		OC <sub>4</sub> H <sub>9</sub>	170
1315	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O		OC <sub>4</sub> H <sub>9</sub>	129
1316	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O CH <sub>3</sub>		OCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	137
1317	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	165
1318	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O CH <sub>3</sub>			150
1319	—	O	CH <sub>3</sub>	(6-)CH <sub>3</sub>	O			186
1320	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O CH <sub>3</sub>		OCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	163

TABLE 1A-continued

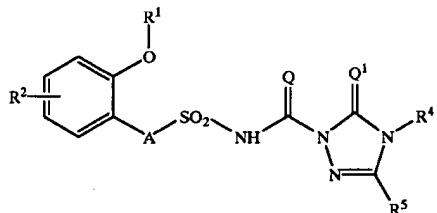
Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-)R <sup>2</sup>	(IA)			Melting point °C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1321	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>		134
1322	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O			187
1323	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O		CH <sub>3</sub>	158
1324	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O		C <sub>2</sub> H <sub>5</sub>	172
1325	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O		C <sub>3</sub> H <sub>7</sub>	142
1326	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	150
1327	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O		OCH <sub>3</sub>	137
1328	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH(CH <sub>3</sub> ) <sub>2</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	168
1329	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		SCH <sub>3</sub>	167
1330	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)CH <sub>3</sub>	O		SCH <sub>3</sub>	167
1331	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	O		SC <sub>2</sub> H <sub>5</sub>	150
1332	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)CH <sub>3</sub>	O		SC <sub>2</sub> H <sub>5</sub>	150
1333	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O		SC <sub>2</sub> H <sub>5</sub>	140
1334	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)F	O	CH <sub>3</sub>	SCH <sub>3</sub>	165
1335	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)F	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	135
1336	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)F	O	CH <sub>3</sub>	OCH <sub>3</sub>	168
1337	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)F	O	CH <sub>3</sub>	CH <sub>3</sub>	140

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)



Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point ° C.
1338	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)F	O		OCH <sub>3</sub>	138
1339	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OC <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1340	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1341	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1342	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1343	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1344	—	O	C <sub>4</sub> H <sub>9</sub>	(6-)OC <sub>4</sub> H <sub>9</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	
1345	—	O	CH(CH <sub>3</sub> )C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	157
1346	—	O	CH(CH <sub>3</sub> )C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	86
1347	—	O	CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	Br	108
1348	—	O	CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	82
1349	—	O	CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		Br	120
1350	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	141
1351	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	102
1352	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	110
1353	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OC <sub>3</sub> H <sub>7</sub>	132
1354	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	114
1355	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH <sub>3</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	172
1356	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	156
1357	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OC <sub>3</sub> H <sub>7</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	141
1358	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OCH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	134
1359	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>3</sub> H <sub>7</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	132

TABLE 1A-continued

Examples of the compounds of the formula (IA)

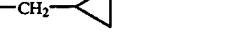
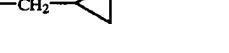
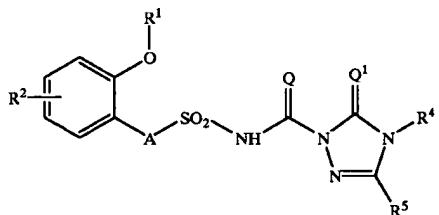
Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point ° C.
1360	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	147
1361	—	O	(CH <sub>2</sub> ) <sub>2</sub> OC <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	134
1362	—	O	CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	96
1363	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	120
1364	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	108
1365	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OC <sub>3</sub> H <sub>7</sub>	127
1366	—	O	C <sub>4</sub> H <sub>9</sub>	(6-)OC <sub>4</sub> H <sub>9</sub>	O		OCH <sub>3</sub>	118
1367	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O			154
1368	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		CH <sub>3</sub>	122
1369	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O		CH <sub>3</sub>	134
1370	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>	CH(CH <sub>3</sub> )C <sub>2</sub> H <sub>5</sub>	97
1371	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	CH(CH <sub>3</sub> ) <sub>2</sub>	76
1372	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	SC <sub>2</sub> H <sub>5</sub>	91
1373	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O			102
1374	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		CH <sub>3</sub>	125
1375	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		C <sub>2</sub> H <sub>5</sub>	112
1376	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		C <sub>3</sub> H <sub>7</sub>	113

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)



Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point ° C.
1377	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH(CH <sub>3</sub> )C <sub>2</sub> H <sub>5</sub>	100
1378	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH(CH <sub>3</sub> ) <sub>2</sub>	118
1379	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>9</sub>	81
1380	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>3</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	93
1381	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	CH(CH <sub>3</sub> )C <sub>2</sub> H <sub>5</sub>	79
1382	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	83
1383	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OC <sub>2</sub> H <sub>5</sub>	67
1384	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		C <sub>3</sub> H <sub>7</sub>	105
1385	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	97
1386	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	82
1387	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	103
1388	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	116
1389	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	104
1390	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O		OCH <sub>3</sub>	127
1391	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		OCH <sub>3</sub>	93
1392	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OC <sub>3</sub> H <sub>7</sub>	107
1393	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O		OC <sub>3</sub> H <sub>7</sub>	130
1394	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	80
1395	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		C <sub>4</sub> H <sub>9</sub>	77

TABLE 1A-continued

Examples of the compounds of the formula (IA)

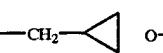
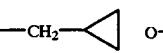
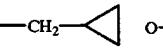
Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1396	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	O		C <sub>4</sub> H <sub>9</sub>	107
1397	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		O-CH <sub>2</sub> - 	107
1398	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O		O-CH <sub>2</sub> - 	85
1399	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O		C <sub>4</sub> H <sub>9</sub>	89
1400	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O		O-CH <sub>2</sub> - 	100
1401	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>	CH(CH <sub>3</sub> ) <sub>2</sub>	118
1402	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub>	82
1403	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub>	75
1404	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O		CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	95
1405	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	C(CH <sub>3</sub> )=CH <sub>2</sub>	118
1406	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)OCH(CH <sub>3</sub> ) <sub>2</sub>	O	CH <sub>3</sub>	C(CH <sub>3</sub> )=CH <sub>2</sub>	103
1407	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	C(CH <sub>3</sub> )=CH <sub>2</sub>	92
1408	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OH	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	152
1409	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OH	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	137
1410	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OH	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	88
1411	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OH	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	125
1412	—	O	CH <sub>3</sub>	(6-)OH	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	148
1413	—	O	CH <sub>3</sub>	(6-)OH	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	144
1414	—	O	CH <sub>3</sub>	(6-)OH	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	128
1415	—	O	CH <sub>3</sub>	(6-)OH	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	158
1416	—	O	CH <sub>3</sub>	(6-)OH	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	137
1417	—	O	CH <sub>3</sub>	(6-)OH	O		OC <sub>2</sub> H <sub>5</sub>	125
1418	—	O	CH <sub>3</sub>	(6-)OH	O	C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	137
1419	—	O	CH <sub>3</sub>	(6-)OH	O	CH <sub>3</sub>	SCH <sub>3</sub>	130
1420	—	O	CH <sub>3</sub>	(6-)OH	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	40
1421	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	230
1422	—	O	CH <sub>3</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	202
1423	—	O	CH <sub>3</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	202
1424	—	O	CH <sub>3</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	98
1425	—	S	C <sub>3</sub> H <sub>7</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	198

TABLE 1A-continued

Examples of the compounds of the formula (IA)

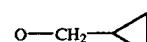
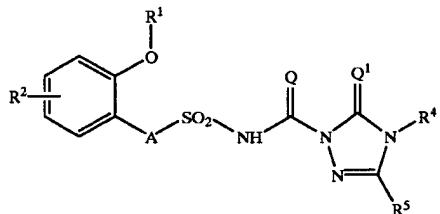
Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			Melting point °C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1426	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCHF <sub>2</sub>	O		OC <sub>2</sub> H <sub>5</sub>	124
1427	—	O	CHF <sub>2</sub>	(6-)OCRF <sub>2</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	145
1428	—	O	CHF <sub>2</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	177
1429	—	O	CHF <sub>2</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	>220
1430	—	O	CHF <sub>2</sub>	(6-)OCHF <sub>2</sub>	O		OC <sub>2</sub> H <sub>5</sub>	148
1431	—	O	CHF <sub>2</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	123
1432	—	O	CHF <sub>2</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	133
1433	—	O	CHF <sub>2</sub>	(6-)OCHF <sub>2</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	130
1434	—	O	C <sub>3</sub> H <sub>7</sub>	(6-)OCHF <sub>2</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	
1435	—	O	CH <sub>2</sub> CH=CH <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OC <sub>2</sub> H <sub>5</sub>	84
1436	—	O	CH <sub>2</sub> CH=CH <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	120
1437	—	O	CH <sub>2</sub> CH=CH <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	133
1438	—	O	CH <sub>2</sub> CH=CH <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	137
1439	—	O	CH <sub>2</sub> CH=CH <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	100
1440	—	O	CH <sub>2</sub> CH=CH <sub>2</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	94
1441	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	168
1442	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	172
1443	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	128
1444	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	224
1445	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>	O	OCH <sub>3</sub>	SCH <sub>3</sub>	157
1446	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>	O	OCH <sub>3</sub>	SC <sub>2</sub> H <sub>5</sub>	149
1447	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>	O	OC <sub>2</sub> H <sub>5</sub>	SCH <sub>3</sub>	147
1448	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>	O	OC <sub>2</sub> H <sub>5</sub>	SC <sub>2</sub> H <sub>5</sub>	124
1449	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	NH <sub>2</sub>	CH <sub>3</sub>	204
1450	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	OCH <sub>3</sub>	SCH <sub>3</sub>	130
1451	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	OCH <sub>3</sub>	SC <sub>2</sub> H <sub>5</sub>	112
1452	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	OC <sub>2</sub> H <sub>5</sub>	SCH <sub>3</sub>	113
1453	—	O	OC <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O	OC <sub>2</sub> H <sub>5</sub>	SC <sub>2</sub> H <sub>5</sub>	157
1454	—	O	CF <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	127
1455	—	O	CF <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	156
1456	—	O	CF <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	132
1457	—	O	CF <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	172
1458	—	O	CF <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	90
1459	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	185
1460	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	192
1461	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	159
1462	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>		192

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)



Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point °C.
1463	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	>270
1464	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	259
1465	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	241
1466	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	174
1467	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	165
1468	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>2</sub> H <sub>5</sub>	145
1469	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>3</sub> H <sub>7</sub>	196
1470	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	170
1471	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	183
1472	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		O-CH <sub>2</sub> -	154
1473	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>		188
1474	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		C <sub>2</sub> H <sub>5</sub>	163
1475	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		C <sub>3</sub> H <sub>7</sub>	190
1476	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		SCH <sub>3</sub>	159
1477	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>3</sub>	151
1478	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		C <sub>3</sub> H <sub>7</sub>	163
1479	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH=CH(CH <sub>3</sub> )	176

TABLE 1A-continued

Examples of the compounds of the formula (IA)

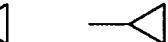
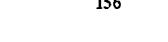
Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			Melting point °C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1480	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O			156
1481	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>2</sub> OCH <sub>3</sub>	146
1482	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	OCH <sub>3</sub>	SCH <sub>3</sub>	149
1483	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	OCH <sub>3</sub>	SC <sub>2</sub> H <sub>5</sub>	137
1484	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	OC <sub>2</sub> H <sub>5</sub>	SCH <sub>3</sub>	115
1485	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	OC <sub>2</sub> H <sub>5</sub>	SC <sub>2</sub> H <sub>5</sub>	99
1486	—	O	CH(CH <sub>3</sub> ) <sub>2</sub>	(6-)CH <sub>3</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	132
1487	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	108
1488	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	151
1489	—	O	CH <sub>3</sub>	(6-)OCH <sub>3</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	163
1490	—	O	C <sub>2</sub> H <sub>5</sub>	(6-)OC <sub>2</sub> H <sub>5</sub>	O		CH(CH <sub>3</sub> ) <sub>2</sub>	111
1491	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>		118
1492	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O			147
1493	—	O	CF <sub>3</sub> CF <sub>3</sub> H	(6-)CH <sub>3</sub>	O		OCH <sub>3</sub>	160
1494	—	O	CF <sub>3</sub> CF <sub>3</sub> H	(6-)CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	155
1495	—	O	CF <sub>3</sub> CF <sub>3</sub> H	(6-)CH <sub>3</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	166
1496	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	149
1497	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	230
1498	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	238
1499	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	89

TABLE 1A-continued

Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1500	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	O—CH <sub>2</sub> — 	134
1501	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>3</sub>	189
1502	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	129
1503	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	126
1504	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	161
1505	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O		O—CH <sub>2</sub> — 	128
1506	—	O	CH <sub>2</sub> CF <sub>3</sub>	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	148
1507	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>		144
1508	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH=CH(CH <sub>3</sub> )	138
1509	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	O—CH <sub>2</sub> — 	160
1510	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>3</sub>	168
1511	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		C <sub>2</sub> H <sub>5</sub>	143
1512	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		C <sub>3</sub> H <sub>7</sub>	140
1513	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O			170
1514	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH=CH(CH <sub>3</sub> )	127
1515	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		N(CH <sub>3</sub> ) <sub>2</sub>	214

TABLE 1A-continued

Examples of the compounds of the formula (IA)

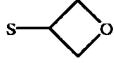
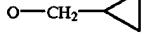
Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			
					Q <sup>3</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point ° C.
1516	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		SCH <sub>3</sub>	167
1517	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		SC <sub>2</sub> H <sub>5</sub>	137
1518	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	165
1519	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	163
1520	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>3</sub> H <sub>7</sub>	125
1521	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		O—CH <sub>2</sub> 	133
1522	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>		136
1523	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	121
1524	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	150
1525	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	119
1526	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	122
1527	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>		146
1528	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	163
1529	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>2</sub> H <sub>5</sub>	140
1530	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>3</sub> H <sub>7</sub>	129
1531	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	118
1532	—	O	CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O		O—CH <sub>2</sub> 	133
1533	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	290

TABLE 1A-continued

Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-)R <sup>2</sup>	(IA)			Melting point ° C.
					Q <sup>3</sup>	R <sup>4</sup>	R <sup>5</sup>	
1534	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	274
1535	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	OC <sub>2</sub> H <sub>5</sub>	C <sub>3</sub> H <sub>5</sub>	118
1536	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	170
1537	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	168
1538	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	166
1539	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	140
1540	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	138
1541	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	136
1542	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	O—CH <sub>2</sub> — 	139
1543	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	156
1544	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>2</sub> H <sub>5</sub>	138
1545	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O		OC <sub>3</sub> H <sub>7</sub>	125
1546	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	140
1547	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O		O—CH <sub>2</sub> — 	158
1548	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		C <sub>5</sub> H <sub>9</sub>	149
1549	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>9</sub>	118
1550	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub> ,	94
1551	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	175
1552	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OC <sub>3</sub> H <sub>7</sub>	166
1553	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	164
1554	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	221
1555	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	O—CH <sub>2</sub> — 	189
1556	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O		OCH <sub>3</sub>	182
1557	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O		OCH <sub>2</sub> CH <sub>3</sub>	134
1558	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O		OC <sub>3</sub> H <sub>7</sub>	207

TABLE 1A-continued

Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	(IA)			Melting point ° C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1559	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	148
1560	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O		OCH <sub>2</sub> CF <sub>3</sub>	204
1561	—	O	CF <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub>	O		O—CH <sub>2</sub> — 	186
1562	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub>	163
1563	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub>	191
1564	—	O	CF <sub>3</sub>	(6-)CH <sub>3</sub>	O		OCH <sub>3</sub>	197
1565	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	231
1566	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	174
1567	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH <sub>3</sub>	160
1568	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	162
1569	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	>250
1570	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	OCH <sub>2</sub> CF <sub>3</sub>	117
1571	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>		128
1572	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O		O—CH <sub>2</sub> — 	124
1573	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	137
1574	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	139
1575	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>		150
1576	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> OCH <sub>3</sub>	114
1577	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	155
1578	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	290
1579	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	116
1580	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O	OC <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>5</sub>	125
1581	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O		CH <sub>3</sub>	137

TABLE 1A-continued

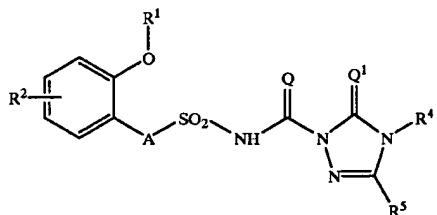
Examples of the compounds of the formula (IA)

Ex. No.	A	Q	R <sup>1</sup>	(Position-)R <sup>2</sup>	(IA)			Melting point ° C.
					Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	
1582	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	99
1583	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)CH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	130
1584	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CC <sub>2</sub> H <sub>5</sub>	147
1585	—	O	CH <sub>2</sub> CF <sub>2</sub> H	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	151
1586	—	O	CH <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	199
1587	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH=CH(CH <sub>3</sub> )	128
1588	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> OCH <sub>3</sub>	101
1589	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		N(CH <sub>3</sub> ) <sub>2</sub>	154
1590	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O		SC <sub>2</sub> H <sub>5</sub>	143
1591	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	SC <sub>2</sub> H <sub>5</sub>	113
1592	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	OC <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>5</sub>	122
1593	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	OC <sub>2</sub> H <sub>5</sub>	SC <sub>2</sub> H <sub>5</sub>	133
1594	—	O	CF <sub>3</sub>	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	OC <sub>6</sub> H <sub>5</sub>	193
1595	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	109
1596	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>		157
1597	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> OCH <sub>3</sub>	106
1598	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	135
1599	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	141
1600	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O	OC <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>5</sub>	129
1601	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O		CH <sub>3</sub>	169
1602	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O		OC <sub>2</sub> H <sub>5</sub>	125
1603	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O		OC <sub>3</sub> H <sub>7</sub>	117
1604	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	O—CH <sub>2</sub> 	145
1605	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O		O—CH <sub>2</sub> 	118
1606	—	O	CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	127

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)



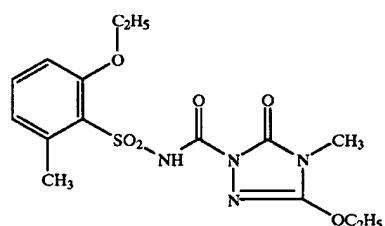
Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point °C.
1607	—	O	CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	155
1608	—	O	CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O		OCH <sub>3</sub>	106
1609	—	O	CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	138
1610	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>		157
1611	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O	CH <sub>3</sub>	CH <sub>2</sub> OCH <sub>3</sub>	101
1612	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>2</sub> H <sub>5</sub>	O		CH <sub>3</sub>	147
1613	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)CH <sub>3</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	280
1614	—	O	CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	CH <sub>3</sub>	302
1615	—	O	CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	261
1616	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	108
1617	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OCH <sub>3</sub>	158
1618	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	152
1619	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	164
1620	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O		OCH <sub>3</sub>	137
1621	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O		OC <sub>2</sub> H <sub>5</sub>	117
1622	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	158
1623	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	147
1624	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	OC <sub>2</sub> H <sub>5</sub>	C <sub>2</sub> H <sub>5</sub>	237
1625	—	O	CH <sub>2</sub> CH <sub>2</sub> F	(6-)C <sub>3</sub> H <sub>7</sub>	O	CH <sub>3</sub>	SCH <sub>3</sub>	130
1626	—	O	CHF <sub>2</sub>	(6-)Br	O	CH <sub>3</sub>	OCH <sub>3</sub>	160
1627	—	O	CHF <sub>2</sub>	(6-)Br	O	CH <sub>3</sub>	CH <sub>3</sub>	146
1628	—	O	CHF <sub>2</sub>	(6-)Br	O	CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	127
1629	—	O	CHF <sub>2</sub>	(6-)Br	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	168
1630	—	O	CHF <sub>2</sub>	(6-)Br	O	CH <sub>3</sub>	OCH(CH <sub>3</sub> ) <sub>2</sub>	126
1631	—	O	CHF <sub>2</sub>	(6-)Br	O		OCH <sub>3</sub>	145
1632	—	O	CHF <sub>2</sub>	(6-)Br	O		OC <sub>2</sub> H <sub>5</sub>	125

TABLE 1A-continued

Examples of the compounds of the formula (IA)

(IA)								
Ex. No.	A	Q	R <sup>1</sup>	(Position-) R <sup>2</sup>	Q <sup>1</sup>	R <sup>4</sup>	R <sup>5</sup>	Melting point ° C.
1633	—	O	CHF <sub>2</sub>	(6-)Br	O		OCH(CH <sub>3</sub> ) <sub>2</sub>	148
1634	—	O	CHF <sub>2</sub>	(6-)Br	O	CH <sub>3</sub>	N(CH <sub>3</sub> ) <sub>2</sub>	173
1635	—	O	CF <sub>3</sub>	(6-)F	O	CH <sub>3</sub>	SCH <sub>3</sub>	
1636	—	O	CF <sub>3</sub>	(6-)F	O	CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	
1637	—	O	CF <sub>3</sub>	(6-)F	O	CH <sub>3</sub>	OC <sub>2</sub> H <sub>5</sub>	

The compound listed in Table 1 as Example 9 can be prepared, for example, as follows:



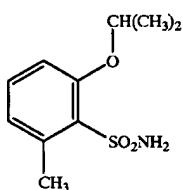
(Process (b))

1.4 g (0.01 mol) of 5-ethoxy-4-methyl-2,4-dihydro-3H-1,2,4-triazol-3-one and 2.4 g (0.01 mol) of 2-ethoxy-6-methyl-phenylsulphonyl isocyanate are stirred at 20° C. For 45 15 hours in 50 ml of acetonitrile. The solvent is distilled off, the residue is stirred with diethyl ether and the precipitate is filtered off with suction.

3.3 g (85% of theory) of 5-ethoxy-4-methyl-2-(2-ethoxy-6-methyl-phenylsulphonylaminocarbonyl)-2,4-dihydro-3H-1,2,4-triazol-3-one are obtained of melting point 160° C.

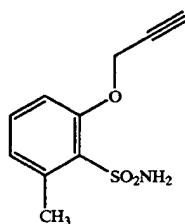
Starting Materials of the Formula (II) or (IIa):

## Example (II-1)



64.6 g (0.26 mol) of 2-isopropoxy-6-methylbenzenesulphochloride are stirred at 20° C. For 12 hours in 350 ml of 25% strength aqueous ammonia solution. The crystalline product is subsequently isolated by filtration with suction. 54 g (90% of theory) of 2-isopropoxy-6-methylbenzenesulphonamide are obtained of melting point 78° C.

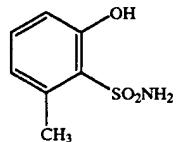
## Example (II-2)



A mixture of 1.9 g (10 mmol) of 2-hydroxy-6-methylbenzenesulphonamide, 1.2 g (10 mmol) of propargyl bromide (in the form of an 80% strength solution in toluene) 50 and 1.4 g (10 mmol) of potassium carbonate is heated under reflux for 2 hours. The mixture is then filtered, the filtrate is concentrated under a water pump vacuum, the residue is digested with petroleum ether and the crystalline product obtained from this digestion is isolated by filtration with suction.

2.1 g (93% of theory) of 6-methyl-2-propargyloxybenzenesulphonamide are obtained of melting point 129° C.

## Example (II-3)



60

65

188 ml of a 1-molar solution of boron(III) bromide in methylene chloride are added dropwise at 20° C. with stirring to a solution of 32.3 g (0.15 mol) of 2-ethoxy-6-methylbenzenesulphonamide in 300 ml of methylene chloride, and the reaction mixture is stirred at 20° C. for 30 minutes. Then 300 ml of methanol are added dropwise at from 0° C. to 5° C. (ice cooling). After heating to 20° C., the reaction mixture is concentrated under a water pump vacuum and the residue is stirred with ethyl acetate. The solution obtained is washed with water, dried over sodium sulphate and filtered. The filtrate is concentrated under a water pump vacuum, the residue is crystallized by stirring with petroleum ether, and the crystalline product is isolated by filtration with suction.

20.3 g (72% of theory) of 2-hydroxy-6-methylbenzenesulphonamide are obtained of melting point 126° C.

In analogy to Examples (II-1) to (II-3) and in accordance with the general description of the preparation process according to the invention, it is also possible, for example, to prepare the compounds of the formula (II) or (IIa) listed in Table 2 below,

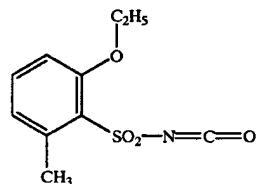
TABLE 2

Examples of the compounds of the formula (II)

Ex. No.	A	R <sup>1</sup>	(position-) R <sup>2</sup>	Melting point (°C.)
II-4	—	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	104
II-5	—	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	63
II-6	—	—CH <sub>2</sub> CH <sub>2</sub> Cl	(6-)CH <sub>3</sub>	102
II-7	—	CH <sub>3</sub>	(6-)CH <sub>3</sub>	132
II-8	—	—CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	131
II-9	—	—CH <sub>2</sub> COOCH <sub>3</sub>	(6-)CH <sub>3</sub>	90
II-10	—	CH <sub>3</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n	108
II-11	—	C <sub>2</sub> H <sub>5</sub>	(6-)C <sub>3</sub> H <sub>7</sub> -n	80
II-12	—	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>	131
II-13	—	CH <sub>3</sub>	(6-)Cl	166
II-14	—	C <sub>2</sub> H <sub>5</sub>	(6-)Cl	121
II-15	—	H	(6-)Cl	118
II-16	—	i-C <sub>3</sub> H <sub>7</sub>	(6-)Cl	85
II-17	—	—CH <sub>2</sub> CH=CH <sub>2</sub>	(6-)Cl	106
II-18	—	—CH <sub>2</sub> C≡CH	(6-)Cl	181
II-19	—	CF <sub>3</sub>	(5-)Cl	
II-20	—	CHF <sub>2</sub>	(5-)CH <sub>3</sub>	127
II-21	—	CHF <sub>2</sub>	(6-)CH <sub>3</sub>	89
II-22	—	CH <sub>3</sub>	(5-)C(CH <sub>3</sub> ) <sub>3</sub>	160
II-23	—	CH <sub>3</sub>	(5-)Cl	
II-24	—	CHF <sub>2</sub>	(4-)CH <sub>3</sub>	153
II-25	—	—CF <sub>2</sub> CHFCI	(6-)CH <sub>3</sub>	85
II-26	—	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>2</sub> Cl	

## Starting Materials of the Formula (IV):

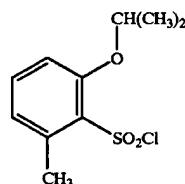
## Example (IV-1)



15 21.5 g (0.1 mol) of 2-ethoxy-6-methylbenzenesulphonamide and 10 g (0.1 mol) of n-butyl isocyanate are heated to boiling in 100 ml of chlorobenzene. At reflux temperature, phosgene is passed in for 4 hours. The clear solution is concentrated under reduced pressure and the residue is subjected to precision distillation. At a pressure of 0.8 bar and an overhead temperature of 135–140° C., 2-ethoxy-6-methyl-phenylsulphonyl isocyanate goes over and solidifies in the receiver.

20 7.9 g of 2-ethoxy-6-methyl-phenylsulphonyl isocyanate are obtained as a colourless product of melting point 40° C. Starting Materials of the Formula (VI) or (VIa):

## Example (VI-1)



25 47.8 g (0.29 mol) of 2-isopropoxy-6-methyl-aniline are dissolved in a mixture of 87 ml of 1N hydrochloric acid and 145 ml of conc. hydrochloric acid, and the solution is cooled to –5° C. At –5° C. to 0° C., a solution of 22 g (0.32 mol) of sodium nitrite in 87 ml of water is then added dropwise with stirring and the mixture is stirred at about 0° C. for a further hour. After removal of the nitrite excess with aminosulphonic acid, the diazonium salt solution obtained is added dropwise at –5° C. to 0° C. to a saturated solution of sulphur dioxide in 175 ml of 1,2-dichloro-ethane. After about 30 minutes, 1.7 g of copper(I) chloride and 1.7 g of dodecyl-trimethylammonium bromide are added, and the reaction mixture is allowed to rise to room temperature over the course of about 60 minutes, heated to about 40° C. over a further hour, and stirred at this temperature for about 12 hours. At about 20° C., 14.2 g of a 35% strength hydrogen peroxide solution are then added and the mixture is stirred for about 30 minutes. It is subsequently stirred with 300 ml of methylene chloride, and the organic phase is separated off, washed with water, dried over sodium sulphate and filtered. The solvent is carefully removed from the filtrate by distillation under a water pump vacuum.

30 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200 1205 1210 1215 1220 1225 1230 1235 1240 1245 1250 1255 1260 1265 1270 1275 1280 1285 1290 1295 1300 1305 1310 1315 1320 1325 1330 1335 1340 1345 1350 1355 1360 1365 1370 1375 1380 1385 1390 1395 1400 1405 1410 1415 1420 1425 1430 1435 1440 1445 1450 1455 1460 1465 1470 1475 1480 1485 1490 1495 1500 1505 1510 1515 1520 1525 1530 1535 1540 1545 1550 1555 1560 1565 1570 1575 1580 1585 1590 1595 1600 1605 1610 1615 1620 1625 1630 1635 1640 1645 1650 1655 1660 1665 1670 1675 1680 1685 1690 1695 1700 1705 1710 1715 1720 1725 1730 1735 1740 1745 1750 1755 1760 1765 1770 1775 1780 1785 1790 1795 1800 1805 1810 1815 1820 1825 1830 1835 1840 1845 1850 1855 1860 1865 1870 1875 1880 1885 1890 1895 1900 1905 1910 1915 1920 1925 1930 1935 1940 1945 1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065 2070 2075 2080 2085 2090 2095 2100 2105 2110 2115 2120 2125 2130 2135 2140 2145 2150 2155 2160 2165 2170 2175 2180 2185 2190 2195 2200 2205 2210 2215 2220 2225 2230 2235 2240 2245 2250 2255 2260 2265 2270 2275 2280 2285 2290 2295 2300 2305 2310 2315 2320 2325 2330 2335 2340 2345 2350 2355 2360 2365 2370 2375 2380 2385 2390 2395 2400 2405 2410 2415 2420 2425 2430 2435 2440 2445 2450 2455 2460 2465 2470 2475 2480 2485 2490 2495 2500 2505 2510 2515 2520 2525 2530 2535 2540 2545 2550 2555 2560 2565 2570 2575 2580 2585 2590 2595 2600 2605 2610 2615 2620 2625 2630 2635 2640 2645 2650 2655 2660 2665 2670 2675 2680 2685 2690 2695 2700 2705 2710 2715 2720 2725 2730 2735 2740 2745 2750 2755 2760 2765 2770 2775 2780 2785 2790 2795 2800 2805 2810 2815 2820 2825 2830 2835 2840 2845 2850 2855 2860 2865 2870 2875 2880 2885 2890 2895 2900 2905 2910 2915 2920 2925 2930 2935 2940 2945 2950 2955 2960 2965 2970 2975 2980 2985 2990 2995 3000 3005 3010 3015 3020 3025 3030 3035 3040 3045 3050 3055 3060 3065 3070 3075 3080 3085 3090 3095 3100 3105 3110 3115 3120 3125 3130 3135 3140 3145 3150 3155 3160 3165 3170 3175 3180 3185 3190 3195 3200 3205 3210 3215 3220 3225 3230 3235 3240 3245 3250 3255 3260 3265 3270 3275 3280 3285 3290 3295 3300 3305 3310 3315 3320 3325 3330 3335 3340 3345 3350 3355 3360 3365 3370 3375 3380 3385 3390 3395 3400 3405 3410 3415 3420 3425 3430 3435 3440 3445 3450 3455 3460 3465 3470 3475 3480 3485 3490 3495 3500 3505 3510 3515 3520 3525 3530 3535 3540 3545 3550 3555 3560 3565 3570 3575 3580 3585 3590 3595 3600 3605 3610 3615 3620 3625 3630 3635 3640 3645 3650 3655 3660 3665 3670 3675 3680 3685 3690 3695 3700 3705 3710 3715 3720 3725 3730 3735 3740 3745 3750 3755 3760 3765 3770 3775 3780 3785 3790 3795 3800 3805 3810 3815 3820 3825 3830 3835 3840 3845 3850 3855 3860 3865 3870 3875 3880 3885 3890 3895 3900 3905 3910 3915 3920 3925 3930 3935 3940 3945 3950 3955 3960 3965 3970 3975 3980 3985 3990 3995 4000 4005 4010 4015 4020 4025 4030 4035 4040 4045 4050 4055 4060 4065 4070 4075 4080 4085 4090 4095 4010 4015 4020 4025 4030 4035 4040 4045 4050 4055 4060 4065 4070 4075 4080 4085 4090 4095 4100 4105 4110 4115 4120 4125 4130 4135 4140 4145 4150 4155 4160 4165 4170 4175 4180 4185 4190 4195 4200 4205 4210 4215 4220 4225 4230 4235 4240 4245 4250 4255 4260 4265 4270 4275 4280 4285 4290 4295 4300 4305 4310 4315 4320 4325 4330 4335 4340 4345 4350 4355 4360 4365 4370 4375 4380 4385 4390 4395 4400 4405 4410 4415 4420 4425 4430 4435 4440 4445 4450 4455 4460 4465 4470 4475 4480 4485 4490 4495 4500 4505 4510 4515 4520 4525 4530 4535 4540 4545 4550 4555 4560 4565 4570 4575 4580 4585 4590 4595 4600 4605 4610 4615 4620 4625 4630 4635 4640 4645 4650 4655 4660 4665 4670 4675 4680 4685 4690 4695 4700 4705 4710 4715 4720 4725 4730 4735 4740 4745 4750 4755 4760 4765 4770 4775 4780 4785 4790 4795 4800 4805 4810 4815 4820 4825 4830 4835 4840 4845 4850 4855 4860 4865 4870 4875 4880 4885 4890 4895 4900 4905 4910 4915 4920 4925 4930 4935 4940 4945 4950 4955 4960 4965 4970 4975 4980 4985 4990 4995 5000 5005 5010 5015 5020 5025 5030 5035 5040 5045 5050 5055 5060 5065 5070 5075 5080 5085 5090 5095 5100 5105 5110 5115 5120 5125 5130 5135 5140 5145 5150 5155 5160 5165 5170 5175 5180 5185 5190 5195 5200 5205 5210 5215 5220 5225 5230 5235 5240 5245 5250 5255 5260 5265 5270 5275 5280 5285 5290 5295 5300 5305 5310 5315 5320 5325 5330 5335 5340 5345 5350 5355 5360 5365 5370 5375 5380 5385 5390 5395 5400 5405 5410 5415 5420 5425 5430 5435 5440 5445 5450 5455 5460 5465 5470 5475 5480 5485 5490 5495 5500 5505 5510 5515 5520 5525 5530 5535 5540 5545 5550 5555 5560 5565 5570 5575 5580 5585 5590 5595 5600 5605 5610 5615 5620 5625 5630 5635 5640 5645 5650 5655 5660 5665 5670 5675 5680 5685 5690 5695 5700 5705 5710 5715 5720 5725 5730 5735 5740 5745 5750 5755 5760 5765 5770 5775 5780 5785 5790 5795 5800 5805 5810 5815 5820 5825 5830 5835 5840 5845 5850 5855 5860 5865 5870 5875 5880 5885 5890 5895 5900 5905 5910 5915 5920 5925 5930 5935 5940 5945 5950 5955 5960 5965 5970 5975 5980 5985 5990 5995 6000 6005 6010 6015 6020 6025 6030 6035 6040 6045 6050 6055 6060 6065 6070 6075 6080 6085 6090 6095 6100 6105 6110 6115 6120 6125 6130 6135 6140 6145 6150 6155 6160 6165 6170 6175 6180 6185 6190 6195 6200 6205 6210 6215 6220 6225 6230 6235 6240 6245 6250 6255 6260 6265 6270 6275 6280 6285 6290 6295 6300 6305 6310 6315 6320 6325 6330 6335 6340 6345 6350 6355 6360 6365 6370 6375 6380 6385 6390 6395 6400 6405 6410 6415 6420 6425 6430 6435 6440 6445 6450 6455 6460 6465 6470 6475 6480 6485 6490 6495 6500 6505 6510 6515 6520 6525 6530 6535 6540 6545 6550 6555 6560 6565 6570 6575 6580 6585 6590 6595 6600 6605 6610 6615 6620 6625 6630 6635 6640 6645 6650 6655 6660 6665 6670 6675 6680 6685 6690 6695 6700 6705 6710 6715 6720 6725 6730 6735 6740 6745 6750 6755 6760 6765 6770 6775 6780 6785 6790 6795 6800 6805 6810 6815 6820 6825 6830 6835 6840 6845 6850 6855 6860 6865 6870 6875 6880 6885 6890 6895 6900 6905 6910 6915 6920 6925 6930 6935 6940 6945 6950 6955 6960 6965 6970 6975 6980 6985 6990 6995 7000 7005 7010 7015 7020 7025 7030 7035 7040 7045 7050 7055 7060 7065 7070 7075 7080 7085 7090 7095 7100 7105 7110 7115 7120 7125 7130 7135 7140 7145 7150 7155 7160 7165 7170 7175 7180 7185 7190 7195 7200 7205 7210 7215 7220 7225 7230 7235 7240 7245 7250 7255 7260 7265 7270 7275 7280 7285 7290 7295 7300 7305 7310 7315 7320 7325 7330 7335 7340 7345 7350 7355 7360 7365 7370 7375 7380 7385 7390 7395 7400 7405 7410 7415 7420 7425 7430 7435 7440 7445 7450 7455 7460 7465 7470 7475 7480 7485 7490 7495 7500 7505 7510 7515 7520 7525 7530 7535 7540 7545 7550 7555 7560 7565 7570 7575 7580 7585 7590 7595 7600 7605 7610 7615 7620 7625 7630 7635 7640 7645 7650 7655 7660 7665 7670 7675 7680 7685 7690 7695 7700 7705 7710 7715 7720 7725 7730 7735 7740 7745 7750 7755 7760 7765 7770 7775 7780 7785 7790 7795 7800 7805 7810 7815 7820 7825 7830 7835 7840 7845 7850 7855 7860 7865 7870 7875 7880 7885 7890 7895 7900 7905 7910 7915 7920 7925 7930 7935 7940 7945 7950 7955 7960 7965 7970 7975 7980 7985 7990 7995 8000 8005 8010 8015 8020 8025 8030 8035 8040 8045 8050 8055 8060 8065 8070 8075 8080 8085 8090 8095 8100 8105 8110 8115 8120 8125 8130 8135 8140 8145 8150 8155 8160 8165 8170 8175 8180 8185 8190 8195 8200 8205 8210 8215 8220 8225 8230 8235 8240 8245 8250 8255 8260 8265 8270 8275 8280 8285 8290 8295 8300 8305 8310 8315 8

TABLE 3

Examples of the compounds of the formula (VI)

Ex. No.	A	R <sup>1</sup>	(position-) R <sup>2</sup>	(IV)	
				Physical data	
VI-2	—	CH <sub>3</sub>	(6-)CH <sub>3</sub>	Fp.: 52° C.	
VI-3	—	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 1,55 (t, J=6,97 Hz, CH <sub>3</sub> ), 2,69 (s, CH <sub>3</sub> ), 4,24 (q, J=6,97 Hz, CH <sub>2</sub> ), 6,87 (d, J=7,68 Hz, 1H), 6,95 (d, J=8,34 Hz, 1H), 7,46 (pseudo t, J=8,1 Hz, 1H)	
VI-4	—	n-C <sub>3</sub> H <sub>7</sub>	(6-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 1,33 (t, J=7,38 Hz, CH <sub>3</sub> ), 1,95 (m, CH <sub>2</sub> ), 2,69 (s, CH <sub>3</sub> ), 4,12 (t, J=6,3 Hz, CH <sub>2</sub> ), 6,86 (d, J=7,69 Hz, 1H), 6,94 (d, J=8,37 Hz, 1H), 7,46 (pseudo t, J=7,8 Hz, 1H)	
VI-5	—	—CH <sub>2</sub> CH <sub>2</sub> Cl	(6-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 2,71 (s, CH <sub>3</sub> ), 3,94 (t, J=6,1 Hz, CH <sub>2</sub> ), 4,41 (t, J=6,1 Hz, CH <sub>2</sub> ), 6,96 (t, J=7,1 Hz, 2H), 7,5 (t, J=7,8 Hz, 1H)	
VI-6	—	—CH <sub>2</sub> CH <sub>2</sub> OC <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 1,23 (t, J=7 Hz, CH <sub>3</sub> ), 2,69 (s, CH <sub>3</sub> ), 3,65 (q, J=7 Hz, CH <sub>2</sub> ), 3,91 (t, J=5,16 Hz CH <sub>2</sub> ), 4,30 (t, J=5,16 Hz, CH <sub>2</sub> ), 6,89 (d, J=7,7 Hz, 1H), 7,0 (d, J=8,3 Hz 1H), 7,47 (pseudo t, J=8,1 Hz, 1H)	
VI-7	—	C <sub>2</sub> H <sub>5</sub>	(5-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 1,53 (t, J=7 Hz, CH <sub>3</sub> ), 2,36 (s, CH <sub>3</sub> ), 4,25 (q, J=7 Hz, CH <sub>2</sub> ), 7,0 (d, J=8,53 Hz, 1H), 7,45 (d, J1=8,53 Hz, J2=2,15 Hz, 1H), 7,75 (d, J=2,15 Hz, 1H)	
VI-8	—	n-C <sub>3</sub> H <sub>7</sub>	(5-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 1,08 (t, J=7,38 Hz, CH <sub>3</sub> ), 1,85 (m, CH <sub>2</sub> ), 2,23 (s, CH <sub>3</sub> ), 3,99 (t, J=6,5 Hz), 6,74 (d, J=8,2 Hz, 1H), 6,92 (m, 1H), 7,34 (d, J=1,65 Hz, 1H)	
VI-9	—	i-C <sub>3</sub> H <sub>7</sub>	(5-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 1,45 (d, J=6,06, 2xCH <sub>3</sub> ), 2,35 (s, CH <sub>3</sub> ), 4,77 (sept., J=6,06 Hz, 1H), 6,99 (d, J=8,57 Hz, 1H), 7,43 (dd, J1=8,56 Hz, 1H, J2=2,1 Hz, 1H), 7,74 (d, J=2,1 Hz, 1H)	
VI-10	—	C <sub>2</sub> H <sub>5</sub>	(6-)CH <sub>2</sub> Cl	(Oil)	
VI-11	—	—CF <sub>2</sub> CHFCI	(6-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 2,78 (s, CH <sub>3</sub> ), 6,46 (td, CHFCI), 7,2–7,6 (Ar—H)	
VI-12	—	CHF <sub>2</sub>	(6-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 2,76 (s, CH <sub>3</sub> ), 6,61 (t, CHF <sub>2</sub> ), 7,27–7,59 (Ar—H)	
VI-13	—	CH <sub>3</sub>	(5-)C(CH <sub>3</sub> ) <sub>3</sub>	Fp.: 62° C.	
VI-14	—	CHF <sub>2</sub>	(4-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 2,50 (s, CH <sub>3</sub> ), 6,68 (t, CHF <sub>2</sub> ), 7,05–7,92 (Ar—H)	
VI-15	—	CHF <sub>2</sub>	(5-)CH <sub>3</sub>	<sup>1</sup> H-NMR (CDCl <sub>3</sub> , TMS, δ, ppm): 2,45 (s, CH <sub>3</sub> ), 6,64 (t, CHF <sub>2</sub> ), 7,35–7,86 (Ar—H)	
VI-16	—	—CH <sub>2</sub> CH <sub>2</sub> Cl	(6-)CH <sub>3</sub>		
VI-17	—	—CH <sub>2</sub> CH=CH <sub>2</sub>	(6-)CH <sub>3</sub>		
VI-18	—	—CH <sub>2</sub> C≡CH	(6-)CH <sub>3</sub>		
VI-19	—	—CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub>	(6-)CH <sub>3</sub>		